

Public Health Reports

Treasury Department, United States Marine-Hospital Service. Published in accordance with act of Congress approved February 15, 1893.

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UNITED STATES.

Yellow fever in the South—(Continued).

The disease continues to spread slowly, and has been reported at the following additional places since the issue of the last REPORT: Bowie, Delogny, Plaquemine, and St. James Parish, La., and Clinton, Fayette, Harriston, Hermanville, Madison, Port Gibson, Starkville, and Wardville, Miss.

September 28. Assistant Surgeon von Ezdorf was reported sick with yellow fever at Orwood. He is now convalescent.

Train inspection service—(Continued).

All trains on the Yazoo and Mississippi Railroad have been suspended. Inspection on the Memphis and Charleston Railroad has been extended to include the entire work; also on the Nashville, Chattanooga and St. Louis to include the greater part of that road.

Inspectors have been placed on the Louisville and Nashville Railroad from Memphis to Guthrie.

The following memorandum has been issued for the guidance of officers of the Marine-Hospital Service who are in charge of the work of supervising the disinfection of Pullman cars and day coaches which have been used to transport refugees from infected districts:

DIRECTIONS FOR THE DISINFECTION OF RAILWAY COACHES.

I. *For the day coach, dining car, tourist sleeper, parlor car.*—Formaldehyd gas, applied by means of an autoclave in a 2 per cent per volume strength, the time of exposure not less than twelve hours.

II. *For Pullman, Wagner, and other sleeping cars.*—Formaldehyd gas applied by means of an autoclave at a 4 per cent per volume strength, the time of exposure not less than twelve hours. Outside of cars liable to convey infection should, after mechanical cleansing, be disinfected by (a) solutions of bichloride of mercury, 1-1000, (b) solutions of carbolic acid, 1-40, or Trikresol, 1-100.

Arrangement of the day coach for disinfection.—All openings of the car should be closed as tightly as possible, especially the ventilators; these are best closed by means of waste. All carpets along the aisle should be laid across the top of the seats. If the car is provided with sash curtains they should be pulled down and hooked over the windows. The cushions of the seats should be shoved slightly away from the backs so that all the surfaces can be reached by the gas.

Water-closets, lockers, and storeroom should be opened. All apertures to be closed with waste or some other similar material. The gas should be introduced into the car by one of two ways: By the keyhole in the car door or through the hopper of the water-closet. If the car is badly infected it is always best to give a preliminary disinfection before doing all that has been outlined in the above.

Under these conditions the car is left just as it is, apertures closed, and a strong percentage of gas thrown in and allowed to remain for at least six to eight hours before it is arranged for the final disinfection. This procedure will be sufficient to sterilize the contents and surfaces of the car and renders this arrangement less dangerous to the operator.

The immigration coach.—If the coach is constructed with a view to easy closing, the interior can be given a clearing with formaldehyd gas in not less than 2 per cent per volume strength, and after this a mechanical cleansing of the floors and water-closets to be followed by a thorough douching with a strong disinfecting solution, preferably a solution of bichloride of mercury.

Sleeping cars.—The same general rules apply to these as for the day and immigration coach. The berths must be let down, all pillows taken down from under the seats; the mattresses and pillows so arranged that all surfaces may be thoroughly exposed, curtains suspended from the curtain poles; the carpets removed from their fastenings and placed over the backs of the seats or suspended by some means in the aisle. The lockers, closets, etc., to be opened. All the articles therein to be arranged so as to be exposed to the gas. Articles of food not hermetically sealed should, after the completion of the disinfection, that is after the exposure of the goods, be destroyed.

Water tanks should be disinfected either by a solution of formaldehyd 1-2000 for two hours, or by permanganate of potash 1-20 for two hours, and afterwards thoroughly rinsed. In most cases it may be necessary to neutralize the formaldehyd gas by ammonia. This can be readily done by sprinkling a sufficient quantity on the floor of the car and

allowing it to remain about one hour; about twice the quantity of ammonia should be used for the formaldehyd solution.

Sulphur is not recommended on account of the destructive effect upon fabrics.

Precautions against the spread of yellow fever from Mexico.

September 28. Reports having been received that several persons from Tampico and Victoria where yellow fever exists, were in Nuevo Laredo, the collector of customs at Laredo, Tex., was authorized to employ guards for the bridges and ferries.

October 1. The necessity being apparent, guards were also authorized at the coal mines and in Zapata County. Yellow fever having been reported in Tamaupilas, Mexico, the collector of customs at Brownsville, Tex., was authorized to employ additional guards to enforce quarantine.

Yellow fever in the United States from July 1 to October 6, 1898.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|-------------------------|------------------|--------|---------|----------|
| Louisiana: | | | | |
| Baton Rouge..... | To Oct. 1..... | 3 | 0 | |
| Bowie..... | Oct. 6..... | 1 | | |
| Delogny..... | Oct. 1..... | 1 | | |
| Franklin..... | To Oct. 6..... | 375 | 7 | |
| Harveys Canal..... | do..... | 14 | 3 | |
| Houma..... | do..... | 2 | 1 | |
| Jefferson Parish..... | To Sept. 20..... | 5 | | |
| New Orleans..... | To Oct. 1..... | 33 | 6 | |
| Plaquemine..... | Oct. 1..... | 1 | 1 | |
| St. James Parish..... | Oct. 2..... | 1 | | |
| Wilson..... | To Oct. 1..... | 50 | 1 | |
| Mississippi: | | | | |
| Clinton..... | To Oct. 6..... | 1 | | |
| Edwards (vicinity)..... | do..... | 6 | | |
| Fayette..... | do..... | 1 | | |
| Harrison..... | do..... | 42 | 4 | |
| Hermanville..... | do..... | 2 | | |
| Jackson..... | do..... | 41 | 4 | |
| Madison..... | do..... | 3 | 1 | |
| Orwood..... | do..... | 79 | 4 | |
| Oxford..... | do..... | 52 | 6 | |
| Port Gibson..... | do..... | 1 | 1 | |
| Starkville..... | do..... | 3 | | |
| Taylor..... | do..... | 100 | 11 | |
| Waterford..... | do..... | 2 | | |
| Water Valley..... | do..... | 10 | | |
| Woodville..... | do..... | 1 | | |

[Reports to the Supervising Surgeon-General, United States Marine-Hospital Service.]

Smallpox at Cedarville, Ala.

MOBILE, ALA., September 29, 1898.

SIR: I have the honor to state that smallpox has existed at Cedarville, Hale County, Ala., for the past two months and that over 50 cases have occurred, principally in colored people. The local physician, Dr. McCullom, has lately recovered from the disease.

I am, very respectfully, your obedient servant,

R. D. MURRAY,
Surgeon, U. S. M. H. S.

Smallpox in Conway, Ark.

LITTLE ROCK, ARK., *September 28, 1898.*

SIR: I have the honor to inform you that 3 cases of smallpox have been reported in the town of Conway, Faulkner County, Ark.

Very respectfully,

L. P. GIBSON,
Acting Assistant Surgeon.

Smallpox in Detroit, Mich.

DETROIT, MICH., *September 27, 1898.*

SIR: I have the honor to report that there are 6 cases of smallpox in this city.

I would request that 100 vaccine points be sent to this station as soon as possible.

Respectfully, yours,

JOHN GODFREY,
Surgeon, U. S. M. H. S.

Smallpox in the United States as reported to the Supervising Surgeon-General United States Marine-Hospital Service, January 1 to October 7, 1898.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|---|----------------------|--------|---------|-------------------------|
| Alabama: | | | | |
| Bessemer..... | Jan. 6-Feb. 19.... | 143 | | |
| Birmingham..... | Jan. 6-Feb. 19.... | 47 | | |
| | May 13..... | 15 | | |
| In Jefferson county, outside of the city..... | Feb. 6-Feb. 19.... | 26 | | |
| Carneys Bluff..... | Feb. 17..... | | | Smallpox reported. |
| Cedarville..... | Aug. 1-Sept. 29.... | 50 | | |
| Corona..... | Mar. 4..... | 1 | | |
| Dolomite..... | Dec. 1-Jan. 17.... | 21 | | |
| Dwight, Washington County | Aug. 16-Sept. 12.... | 12 | 1 | |
| Gosport..... | Feb. 17..... | | | Do. |
| Glendon..... | Feb. 17..... | | | Do. |
| Haynesville..... | Mar. 11..... | 400 | | |
| Horse Creek Mine..... | Mar. 4..... | 3 | | |
| Hurricane Bayou..... | Mar. 31-June 12.... | 30 | | |
| Jackson..... | Feb. 17..... | 10 | | |
| Letohatchie..... | May 13..... | 50 | | |
| | July 30..... | 25 | | Three miles from town. |
| Mobile..... | Feb. 5-June 15.... | 82 | 1 | |
| | July 1-Aug. 17.... | 9 | | |
| Montevallo..... | Mar. 3..... | 1 | | |
| Montgomery..... | June 29..... | 2 | | |
| Newton..... | Jan. 15-Feb. 2.... | 7 | | |
| Nichola..... | Feb. 17..... | | | Smallpox reported. |
| Oxmar..... | Jan. 19..... | | | Do. |
| Patton..... | Feb. 1-Mar. 4.... | 9 | | |
| Pinckard..... | Feb. 2..... | 50 | | |
| Port Deposit..... | May 13..... | 1 | | |
| Rock Springs..... | Mar. 11..... | 15 | | |
| Salitpa..... | Feb. 17..... | | | Do. |
| Selma..... | Jan. 13-Feb. 14.... | 3 | | |
| Shelby..... | Jan. 28-Apr. 22.... | 8 | | |
| Talladega..... | Jan. 9-Feb. 15.... | 45 | | |
| Walker Springs..... | Feb. 17..... | | | Do. |
| Wayne County..... | June 23-July 1.... | 2 | | |
| Whistler..... | June 4-June 15.... | 1 | | |
| Arkansas: | | | | |
| Beebe..... | June 30..... | 1 | | |
| Conway..... | Sept. 28..... | 3 | | |
| Fair Oaks..... | Mar. 1..... | 5 | | |
| Hot Springs..... | June 30..... | 2 | | |
| Little Rock and vicinity..... | Mar. 31-May 20.... | 110 | 1 | |
| Newport..... | Apr. 28..... | 1 | | |
| Sweet Home..... | May 20..... | 11 | 1 | |
| Colorado: | | | | |
| Boulder County..... | June 24-July 26.... | 5 | | |
| Colorado Cañon..... | Aug. 8..... | 7 | | |
| Las Animas County..... | July 26..... | 5 | | |
| District of Columbia: | | | | |
| Washington..... | Feb. 7..... | 1 | | Naval Hospital. |
| | Apr. 2-May 5.... | 9 | | |
| | Aug. 13..... | 1 | | |
| Florida: | | | | |
| Bartow..... | June 25..... | 1 | | |
| Bluff Springs..... | June 18..... | 1 | | |
| Jacksonville..... | Mar. 20-Mar. 26.... | 1 | | |
| Pensacola..... | Apr. 24-May 11.... | 2 | | |
| Washington County..... | Jan. 24..... | 12 | | |
| Georgia: | | | | |
| Atlanta..... | Jan. 17-Feb. 16.... | 178 | 2 | Most cases from county. |
| | May 27-July 27.... | 2 | | |
| Cartersville..... | Jan. 15-Mar. 1.... | 9 | 1 | |
| Griffin..... | Feb. 12..... | 2 | | |
| Macon..... | Jan. 15-June 1.... | 100 | 3 | |
| Stilesboro..... | Jan. 15..... | | | Smallpox reported. |
| Illinois: | | | | |
| Chicago..... | May 4..... | 1 | | |
| Indiana: | | | | |
| Evansville..... | Feb. 26..... | 1 | | |
| Kansas: | | | | |
| Fort Scott..... | Sept. 15..... | 1 | | |
| Kentucky: | | | | |
| Butler..... | Feb. 8-Feb. 24.... | 1 | | |
| Louisville..... | Apr. 16..... | 1 | | |
| Middlesborough..... | Feb. 3-Apr. 7.... | 183 | 2 | |
| Laurel County..... | July 20..... | | | Do. |
| Clay County..... | July 20..... | | | Do. |
| Jackson County..... | July 20..... | | | Do. |
| Louisiana: | | | | |
| New Orleans..... | Mar. 13-May 21.... | 5 | | |

Smallpox in the United States, etc.—Continued.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|------------------------------|-----------------------|--------|---------|--|
| Massachusetts: | | | | |
| Greenfield..... | Feb. 5-Feb. 22.... | 1 | | |
| Westfield..... | Feb. 20-Mar. 2.... | 1 | | |
| Michigan: | | | | |
| Detroit..... | Sept. 17-Sept. 27.... | 6 | | |
| Ionia..... | Mar. 20-Apr. 23.... | | | Smallpox reported. |
| Otsego..... | Sept. 10..... | | | Do. |
| Royal Oak..... | Feb. 12-Mar. 12.... | 1 | | |
| Seneca Township..... | Aug. 6..... | 1 | | |
| | Aug. 27..... | | | Do. |
| Mississippi: | | | | |
| Basin..... | May 16..... | 7 | | |
| Chicora..... | June 23-July 1.... | | | Cases reported. |
| Denny..... | May 16-May 31.... | 19 | | |
| Hattiesburg..... | June 4-June 15.... | 4 | | |
| Hendersons Point..... | Feb. 8..... | 3 | | |
| Laurel..... | May 28-July 28.... | 11 | | |
| Meridian..... | July 28..... | 2 | | |
| Moss Point..... | Feb. 15..... | 1 | | |
| Ocean Springs..... | Feb. 20..... | 3 | | |
| Prairie..... | June 4-June 15.... | | | Several cases. |
| State Line..... | June 23-July 1.... | 1 | | |
| Shubuta, Clark County..... | May 28-June 15.... | 50 | | |
| New Jersey: | | | | |
| Westfield..... | Mar. 4..... | 1 | | |
| New Mexico: | | | | |
| Albuquerque and vicinity.... | Mar. 5-Sept. 4.... | 52 | 3 | Smallpox reported prevalent along the line of the Santa Fe R. R. August 4, 1898. |
| New York: | | | | |
| Buffalo..... | May 21-June 18.... | 1 | | |
| Deposit..... | Nov. 1-Nov. 30.... | 1 | | |
| Livonia..... | July..... | 1 | | |
| New York City..... | May 14-May 21.... | 1 | | |
| Waverley..... | July..... | 5 | | |
| North Carolina: | | | | |
| Alamance County..... | Feb. 18-Feb. 25.... | 1 | | |
| Asheville..... | Apr. 14-July 19.... | 1 | | |
| Buncombe County..... | Apr. 16..... | 1 | | |
| Catawaba..... | July 19..... | 6 | | In one family. |
| Charlotte..... | Jan. 25-Feb. 12.... | 4 | | |
| Clay County..... | Feb. 15-Feb. 24.... | 3 | | |
| Cleveland..... | July 19..... | 7 | | 13 found recovered; total, 20 cases. |
| Durham..... | do..... | 1 | | |
| Elmwood..... | do..... | 2 | | |
| Iredell County..... | May 19-June 2.... | 9 | | |
| Mooresville..... | July 19..... | 1 | | |
| Reidsville..... | do..... | 1 | | |
| Wilmington..... | Jan. 12..... | 1 | | |
| Wilson County..... | May 28..... | 1 | | |
| Ohio: | | | | |
| Bays..... | July 14..... | 2 | | |
| Cincinnati..... | May 5..... | 1 | | |
| Columbus..... | Apr. 16-Apr. 22.... | 1 | | |
| Dayton..... | Sept. 23..... | 1 | | |
| Delphos..... | May 4-July 14.... | 15 | | |
| Fairfield County..... | Apr. 8-May 11.... | 12 | 1 | |
| Goshen..... | July 28..... | 15 | | |
| Put-in-Bay..... | Sept. 6..... | 26 | | |
| Van Wert..... | June 23-July 15.... | 13 | | |
| Pennsylvania: | | | | |
| Dunbar..... | June 23-July 13.... | 6 | | |
| Philadelphia..... | Apr. 13..... | 2 | | |
| South Carolina: | | | | |
| Arkwright..... | Mar. 25..... | 9 | | |
| Beaufort..... | Jan. 17..... | | | Smallpox reported. |
| Charleston..... | Apr. 22..... | 1 | | |
| Columbia..... | Apr. 6-May 2.... | 86 | | |
| Dyson..... | Mar. 25..... | 3 | | |
| Greenville..... | Jan. 17..... | | | Do. |
| Orangeburg..... | Jan. 17..... | | | Do. |
| Pelham..... | Mar. 25..... | 20 | | |
| Ridge Springs..... | Mar. 25..... | 1 | | |
| Rock Hill..... | Jan. 17..... | | | Do. |
| Spartanburg..... | Jan. 17-July 26.... | 4 | | Do. |
| Sumter..... | May 2..... | 12 | | |
| Swansea..... | Jan. 15..... | | | Do. |

Smallpox in the United States, etc.—Continued.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|------------------------|---------------------|--------|---------|--------------------|
| Tennessee: | | | | |
| Bristol..... | Mar. 1-Mar. 31.... | 1 | | |
| Chattanooga..... | Jan. 1-Apr. 30.... | 21 | | |
| Cleveland..... | Apr. 1-Apr. 30.... | 6 | | |
| | July 1-July 31.... | 12 | | |
| Elk Valley..... | Mar. 1-Mar. 31.... | 1 | | |
| Huntington (near)..... | Jan. 1-Jan. 29.... | 1 | | |
| Jellico..... | Feb. 1-Mar. 31.... | 9 | | |
| Johnson City..... | Feb. 1-Mar. 31.... | 13 | | |
| Knoxville..... | Jan. 1-Apr. 30.... | 43 | | |
| Lenoir City..... | Jan. 1-Feb. 28.... | 5 | | |
| Memphis..... | Jan. 22-Apr. 30.... | 4 | | |
| | July 1-July 31.... | 2 | | |
| Mingo mines..... | Jan. 1-Jan. 29.... | 6 | | |
| Mingo..... | Feb. 1-Mar. 31.... | 3 | | |
| Morristown..... | Feb. 1-Mar. 31.... | 6 | | |
| Newcomb..... | Feb. 1-Feb. 28.... | 3 | | |
| Rockford..... | Mar. 1-Mar. 31.... | 1 | | |
| Rutledge..... | Feb. 1-Apr. 30.... | 14 | | |
| Shields Ferry..... | Mar. 1-Mar. 31.... | 4 | | |
| Sprowles..... | Mar. 1-Mar. 31.... | 1 | | |
| Texas: | | | | |
| Brownsville..... | Feb. 26..... | 1 | | |
| Columbus..... | Feb. 2-Apr. 2.... | 30 | 7 | Smallpox reported. |
| Virginia: | | | | |
| Colburn..... | Feb. 1..... | | | Do. |
| Norfolk..... | Mar. 1-Mar. 10.... | 2 | | |
| | Sept. 19-Oct. 4.... | 8 | | |
| Norton..... | Feb. 1..... | | | Do. |
| West Virginia: | | | | |
| Bluefield..... | Feb. 25..... | 5 | | |
| Payette County..... | May 6..... | 8 | | |
| Mercer County..... | May 6..... | 6 | | |
| McDowell County..... | May 6..... | 12 | | |
| Wisconsin: | | | | |
| Milwaukee..... | May 19..... | 1 | | |
| Oshkosh..... | Apr. 28..... | 1 | | |

Report of Immigration at Boston for the week ended October 1, 1898.

OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
Port of Boston, October 3, 1898.

*Number of alien immigrants who arrived at this port during the week ended October 1, 1898;
 also names of vessels and ports from which they came.*

| Date. | Vessel. | Where from. | No. of immigrants. |
|----------|------------------------------|--------------------------------|--------------------|
| Sept. 25 | Steamship Yarmouth..... | Yarmouth, Nova Scotia..... | 222 |
| Do..... | Schooner Seraphine..... | Clementsport, Nova Scotia..... | 2 |
| Sept. 26 | Steamship Beverly..... | Port Morant, Jamaica..... | 3 |
| Sept. 27 | Steamship Sagamore..... | Liverpool, England..... | 6 |
| Do..... | Steamship Prince Edward..... | Yarmouth, Nova Scotia..... | 123 |
| Do..... | Steamship Barrowmore..... | London, England..... | 1 |
| Sept. 28 | Steamship Boston..... | Yarmouth, Nova Scotia..... | 132 |
| Do..... | Steamship Armenian..... | Liverpool, England..... | 40 |
| Do..... | Steamship Storm King..... | Antwerp, Germany..... | 2 |
| Sept. 29 | Steamship Anglian..... | London, England..... | 6 |
| Do..... | Steamship Yarmouth..... | Yarmouth, Nova Scotia..... | 144 |
| Sept. 30 | Schooner Narcissus..... | Bridgewater, Nova Scotia..... | 5 |
| Do..... | Steamship Halifax..... | Halifax, Nova Scotia..... | 304 |
| Do..... | Steamship Prince Edward..... | Yarmouth, Nova Scotia..... | 115 |
| Do..... | Steamship New England..... | Liverpool, England..... | 599 |
| Oct. 1 | Steamship Boston..... | Yarmouth, Nova Scotia..... | 167 |
| Do..... | Steamship Cephalonia..... | Liverpool, England..... | 418 |
| Do..... | Steamship Jacob Bright..... | | 1 |
| | Total..... | | 2,290 |

GEORGE B. BILLINGS,
Commissioner.

*Report of immigration at New York for the week ended October 1, 1898.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
*Port of New York, October 3, 1898.**Number of alien immigrants who arrived at this port during the week ended October 1, 1898;
also names of vessels and ports from which they came.*

| Date. | Vessel. | Where from. | No. of immigrants. |
|----------|----------------------------------|-------------------------------|--------------------|
| Sept. 25 | Steamship Edam..... | Amsterdam..... | 101 |
| Do.... | Steamship La Gascogne..... | Havre..... | 346 |
| Sept. 26 | Steamship Rotterdam..... | Rotterdam..... | 333 |
| Do.... | Steamship Cymric..... | Liverpool and Queenstown..... | 452 |
| Sept. 27 | Steamship Island..... | Copenhagen, etc..... | 196 |
| Do.... | Steamship Hevelius..... | Rio de Janeiro..... | 14 |
| Sept. 28 | Steamship State of Nebraska..... | Glasgow..... | 40 |
| Do.... | Steamship Hesperia..... | Naples..... | 354 |
| Do.... | Steamship Kaiser Wilhelm II..... | Genoa..... | 339 |
| Do.... | Steamship Friesland..... | Antwerp..... | 293 |
| Sept. 29 | Steamship Pennland..... | Southampton..... | 79 |
| Do.... | Steamship Lahn..... | Bremen..... | 218 |
| Sept. 30 | Steamship H. H. Meier..... | do..... | 315 |
| Do.... | Steamship Britannic..... | Liverpool and Queenstown..... | 318 |
| Oct. 1 | Steamship Augusta Victoria..... | Hamburg..... | 124 |
| | Total..... | | 3,482 |

THOMAS FITCHIE,
*Commissioner.**Report of immigration at Philadelphia for the week ended October 1, 1898.*OFFICE OF U. S. COMMISSIONER OF IMMIGRATION,
*Port of Philadelphia, October 1, 1898.**Number of alien immigrants who arrived at this port during the week ended October 1,
1898; also names of vessels and ports from which they came.*

| Date. | Vessel. | Where from. | No. of immigrants. |
|----------|--------------------------|-------------------------------|--------------------|
| Sept. 27 | Steamship Minnesota..... | London..... | 5 |
| Sept. 28 | Steamship Italia..... | Liverpool and Queenstown..... | 145 |
| Sept. 29 | Steamship Nederland..... | Antwerp..... | 99 |
| | Total..... | | 249 |

J. S. HUGHES,
Acting Commissioner.

QUARANTINE REPORTS.
National quarantine and inspection stations.

[Vessels named only when detained or given treatment at quarantine.]

| Name of station. | Week ended | Name of vessel. | Date of arrival. | Port of departure. | Destination. | Treatment of vessel, passengers, and cargo. | Date of departure. | Remarks. | Vessels inspected and passed. |
|--------------------------------------|------------|--------------------------------------|------------------|---------------------------|--------------|---|--------------------|--|-------------------------------|
| Alexandria, Va. | Sept. 24 | Am. sc. Chas. E. | Sept. 23 | Santiago de Cuba. | Brunswick. | Disinfected and held. | Sept. 28 | No transactions. | 2 |
| Brunswick, Ga. | Oct. 1 | Baltch. (a) Am. sc. Warren Adams. | Sept. 28 | Ponce, Puerto Rico. | do. | do. | | | |
| Cape Charles, Va. | do. | Am. sc. Evelyn | Sept. 30 | do. | Norfolk, Va. | Inspected and held. | Sept. 30 | With approval of Surgeon-General. 1 spoken and passed. | 6 |
| Cape Fear, N. C. | do. | | | | | | | | 3 |
| Delaware Breakwater Quarantine, Del. | do. | | | | | | | | 12 |
| Eureka, Cal. | Sept. 17 | | | | | | | No transactions. | 1 |
| Grays Harbor, Wash. | Sept. 24 | | | | | | | No report. | 1 |
| Gulf Quarantine, Ship Island, Miss. | do. | | | | | | | | |
| | do. | Dutch bkn. Jantje. (a) | Sept. 7 | Para | Mobile. | Disinfected and held. | Sept. 18 | | |
| | | Br. bk. Abyssinia. (a) | do. | Buenos Ayres via Barbados | do. | do. | Sept. 19 | | |
| | | Br. bk. Dalhousie. (a) | Sept. 9 | St. Pierre, Martinique. | do. | do. | do. | | |
| | | Am. sc. Nan. M. Dantzier. (a) | Sept. 11 | Vera Cruz. | Pascagoula. | do. | Sept. 18 | | |
| | | Br. sc. Iolanthe. (a) | Sept. 15 | Matanzas. | do. | do. | Sept. 21 | | |
| | | Br. sc. Roddam. (a) | Sept. 17 | London via West Indies. | Mobile. | do. | Sept. 23 | | |
| | | Am. sc. R. W. Morse. (a) | do. | Key West. | Ship Island. | Disinfected twice and held. | | 2 cases of yellow fever in quarantine. | |
| | | Br. sc. Ethiopie. | Sept. 18 | Habana. | Galveston. | Disinfected and held. | | | |
| | | Am. sc. Magnolia | Sept. 20 | Progreso. | Handsboro. | do. | | | |
| | | Am. sc. Eleanor | do. | Laguna de Terminos. | Pascagoula. | do. | | | |
| | | Am. sc. Tres Hermandades. | Sept. 24 | New Orleans. | do. | do. | | | |
| | | Am. sc. Alclope | do. | do. | Biloxi | do. | | 1 case yellow fever at port of departure. No transactions. | 12 |

a Previously reported.

QUARANTINE REPORTS—Continued.
National quarantine and inspection stations—Continued.

| Name of station. | Week ended. | Name of vessel. | Date of arrival. | Port of departure. | Destination. | Treatment of vessel, passengers, and cargo. | Date of departure. | Remarks. | Vessels inspected and passed. |
|---|--------------|--|---|--|--|--|--|--|-------------------------------|
| Reedy Island Quarantine, Del. | Oct. 1 | Br. ss. Honiton... | Sept. 26 | Matanzas..... | Philadelphia.. | Disinfected and passed..... | Sept. 28 | Crew held for observation—new crew employed. | 21 |
| San Diego, Cal..... | Sept. 24 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 3 |
| San Francisco Quarantine, Cal. |do..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 24 |
| South Atlantic Quarantine, Blackbeard Island, Ga. | Oct. 1 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... |
| Tortugas Quarantine, Key West, Fla. | Sept. 24 | Am. sc. Clara A. Phinney. ^(a) Am. sc. Ellen M. Adams. ^(a) Am. sc. Irene. ^(a) Am. bge. Three Brothers. ^(a) Am. sc. Sisters ^(a) Am. sc. Pearl City. ^(a) Am. sc. R. D. Spear. Br. ss. Lugano. Nor. ss. Hiram. | Sept. 4 Sept. 12.....do..... .....do..... Sept. 13.....do..... Sept. 20 Sept. 21 Sept. 22 | Key West Havana.....do..... .....do..... .....do..... Key West Matanzas Havana | Mobile... Key West.....do..... .....do..... .....do..... Apalachicola Pensacola. Mobile. | Disinfected. .....do..... Disinfected and held. Disinfected. .....do..... Disinfected and held.....do..... Disinfected. Disinfected and held. | Sept. 22 Sept. 21 Sept. 22 Sept. 23.....do..... Sept. 24 | Without pratique, at master's request. No transactions..... | 1 |
| Washington, N. C..... | Oct. 1 | Am. sc. Hollyhock. Nor. ss. Utstein. Am. sc. Kate. | Sept. 23 Sept. 24 |do..... Mariel | Mobile. Key West | Held for disinfection. .....do..... | ..... | ..... | ..... |

a Previously reported.

QUARANTINE REPORTS—Continued.

State and municipal quarantine stations.

[Vessels named only when detained or given treatment at quarantine.]

| Name of station. | Week ended. | Name of vessel. | Date of arrival. | Port of departure. | Destination. | Treatment of vessel, passengers, and cargo. | Date of departure. | Remarks. | Vessels inspected and passed. |
|----------------------------|-------------|--|------------------|--------------------|--------------|---|--------------------|--|-------------------------------|
| Anclote, Fla. | Oct. 1 | | | | | | | No report. | 31 |
| Baltimore, Md. | do. | | | | | | | No report. | |
| Bangor, Me. | do. | | | | | | | do. | |
| Boston, Mass. | do. | | | | | | | do. | |
| Carrabelle, Fla. | do. | | | | | | | do. | |
| Cedar Keys, Fla. | Sept. 24 | | | | | | | No report. | 11 |
| Charleston, S. C. | Oct. 1 | | | | | | | No report. | 1 |
| Charlotte Harbor, Fla. | Sept. 24 | | | | | | | No transactions. | 3 |
| Elizabeth River, Va. | do. | | | | | | | No report. | |
| Galveston, Tex. | do. | | | | | | | No transactions. | |
| Gardiner, Oreg. | do. | | | | | | | No report. | |
| Key West, Monroe Co., Fla. | do. | | | | | | | do. | 16 |
| Los Angeles, Cal. | Sept. 24 | | | | | | | No transactions. | |
| Mayport, Fla. | Oct. 1 | | | | | | | No report. | |
| Mobile Bay, Ala. | do. | | | | | | | No report. | 14 |
| New Orleans, La. | do. | | | | | | | do. | |
| Newport, R. I. | do. | | | | | | | do. | |
| Newport News, Va. | do. | | | | | | | No report. | 7 |
| New York, N. Y. | do. | | | | | | | No report. | |
| Paseo Cavallo, Tex. | Sept. 7 | | | | | | | No report. | 1 |
| | Sept. 15 | | | | | | | No report. | 2 |
| | Sept. 22 | | | | | | | No report. | 2 |
| | Sept. 30 | | | | | | | No report. | 1 |
| | Oct. 1 | | | | | | | No report. | 1 |
| Providence, R. I. | do. | | | | | | | No report. | |
| Round Island, Miss. | do. | | | | | | | No transactions. | |
| St. Helena Entrance, S. C. | do. | | | | | | | No transactions. | |
| San Pedro, Cal. | Sept. 24 | | | | | | | No report. | |
| Savannah, Ga. | Oct. 1 | | | | | | | No report. | 10 |
| Tampa Bay, Fla. | Sept. 24 | Br. ss. Glendow- er, (a) | Sept. 15 | Port Limon... | Port Tampa | Disinfected and held. | Sept. 22 | 1 case pernicious malaria landed at hospital and died. | |
| | | U. S. dredge Suwanee, U. S. transport Tarpon. | Sept. 25 | Santiago... | Tampa | do | Sept. 30 | | 14 |
| | Oct. 1 | | do. | do. | do. | do | | | |

a Previously reported.

Reports of States and yearly and monthly reports of cities.

CALIFORNIA—San Francisco.—Month of August, 1898. Estimated population, 360,000. Total number of deaths, 359, including diphtheria, 3; enteric fever, 17; measles, 9; scarlet fever, 2; whooping cough, 1, and 47 from phthisis pulmonalis.

CONNECTICUT—New Haven.—Month of August, 1898. Estimated population, 110,000. Total number of deaths, 172, including enteric fever, 9, and 21 from phthisis pulmonalis.

Westport.—Month of September, 1898. Estimated population, 4,000. Total number of deaths, 7, including 1 from phthisis pulmonalis.

ILLINOIS—Springfield.—Two weeks ended September 26, 1898. Estimated population, 31,000. Total number of deaths, 12, including 2 from enteric fever.

MASSACHUSETTS—Worcester.—Month of August, 1898. Estimated population, 106,202. Total number of deaths, 196, including whooping cough, 5, and 20 from phthisis pulmonalis.

MICHIGAN.—Reports to the State board of health, Lansing, for the week ended September 24, 1898, from 74 observers indicate that pneumonia, intermittent fever, and enteric fever increased and cholera morbus decreased in area of prevalence. Phthisis pulmonalis was reported present at 186, enteric fever at 111, scarlet fever at 25, whooping cough at 20, diphtheria at 17, measles at 6 places, and smallpox at 1 place, Detroit.

MINNESOTA—St. Paul.—Year 1897. Estimated population, 215,582. Total number of deaths, 1,387.

Contagious and infectious diseases of St. Paul, Minn.

| Months. | Causes of deaths. | | | | | | |
|----------------|----------------------|-----------|---------|----------------|----------------|-------------|----------|
| | Phthisis pulmonalis. | Smallpox. | Typhus. | Enteric fever. | Scarlet fever. | Diphtheria. | Measles. |
| January..... | 16 | 0 | 0 | ..... | ..... | 5 | 0 |
| February..... | 20 | 0 | 0 | 2 | 2 | 2 | 0 |
| March..... | 23 | 0 | 0 | 2 | 1 | 4 | 0 |
| April..... | 19 | 0 | 0 | 2 | 0 | 2 | 0 |
| May..... | 11 | 0 | 0 | 1 | 0 | 1 | 0 |
| June..... | 12 | 0 | 0 | 1 | 0 | 4 | 0 |
| July..... | 18 | 0 | 0 | 0 | 1 | 2 | 0 |
| August..... | 11 | 0 | 0 | 1 | 1 | 1 | 0 |
| September..... | 25 | 0 | 0 | 3 | 1 | 9 | 0 |
| October..... | 13 | 0 | 0 | 3 | 2 | 10 | 0 |
| November..... | 21 | 0 | 0 | 6 | 2 | 4 | 0 |
| December..... | 14 | 0 | 0 | 1 | 1 | 2 | 0 |
| Total..... | 203 | 0 | 0 | 22 | 11 | 46 | 0 |

Of the 3,283 vaccinations made during the year, no case showed any ill result.

NEW JERSEY—Paterson.—March 1, 1897, to February 28, 1898. Estimated population, 110,288. Total number of deaths, 1,783, including

diphtheria, 86; enteric fever, 35; measles, 7; scarlet fever, 7; whooping cough, 5, and 201 from phthisis pulmonalis.

NEW YORK.—Reports to the State board of health, Albany, for the month of August, 1898, from 156 cities, towns, and villages, show a total of 11,302 deaths, including diphtheria, 124; enteric fever, 181; measles, 26; scarlet fever, 26; whooping cough, 168, and 1,019 from phthisis pulmonalis.

The Monthly Bulletin says:

For the month of August, compared with the preceding month, the annual death rate from all causes per 1,000 population has fallen from 20.60 to 20.00, and somewhat exceeds the average death rate for August of the past ten years, which has been 19.80, as well as that of August, 1897, which was 18.75. The infant mortality is but little reduced from that of July, 42.5 per cent of the deaths occurring under the age of 5 years. Zymotic diseases caused the same mortality as in July, 25.5 per cent of deaths from all causes. There was increase in the prevalence and distribution of typhoid fever and malarial diseases, decrease in diphtheria, scarlet fever, measles, and cerebro-spinal meningitis, and no change in that of diarrheal diseases and whooping cough. Compared with August, 1897, typhoid fever, diarrheal diseases and whooping cough are more prevalent, and diphtheria less so. The Maritime and the Lake Ontario and Western districts have a lower death rate than in July, the East Central shows no change, and the rest of the districts have increased death rates. In the Maritime district diarrheal diseases, diphtheria, and scarlet fever decreased, and typhoid fever is doubled, causing 100 deaths. Diarrheal diseases in all the other districts increased largely, causing double the mortality of July, against a decrease of 300 in the metropolis; this increase in the rural districts late in the summer is customary; for the State the mortality is the average for the month for the past ten years, being about 20.0 per cent of all deaths, all other zymotic diseases causing 5.5 per cent. Diphtheria caused 120 deaths against 159 in July, and against an average for the month of 300—the smallest mortality for one month in the past ten years. Scarlet fever fell to a mortality of 26, of which 18 were in the metropolis. Typhoid fever, as usual, has increased in all the districts; the increase is excessive in the Maritime district. Whooping cough caused 170 deaths, August being uniformly the month of its largest mortality. The epidemic of mild smallpox previously reported in the western part of this State, has appeared in the towns of Mt. Morris, Caneadea, and Alden, its spread being due to a failure to recognize it. There were not less than 14 deaths during the month from lightning stroke, occurring in rural localities. The average mean temperature for the month was 70°, which is a little above the normal; the highest recorded 92°, the lowest 40°; the rainfall was 5 inches, an excess of 1½ inches; there were comparatively few clear days; southwest winds uniformly prevailed.

TEXAS—Galveston.—Month of July, 1898. Estimated population, 60,000. Total number of deaths, 55, including enteric fever, 1, and 2 from phthisis pulmonalis.

MORTALITY TABLE, CITIES OF THE UNITED STATES.

| Cities. | Week ended. | Population, U. S. Census of 1890. | Total deaths from all causes. | Deaths from— | | | | | | | | | |
|-------------------------|-------------|-----------------------------------|-------------------------------|----------------------|---------------|-----------|-----------|----------|---------------|----------------|----------------|-------------|----------|
| | | | | Phthisis pulmonalis. | Yellow fever. | Smallpox. | Varicoid. | Cholera. | Typhus fever. | Enteric fever. | Scarlet fever. | Diphtheria. | Measles. |
| Binghampton, N. Y. | Oct. 1. | 35,005 | 23 | 1 | | | | | | 1 | | | |
| Boston, Mass. | do. | 448,477 | 248 | 28 | | | | | | 8 | 1 | 2 | 3 |
| Bristol, R. I. | Sept. 24. | 5,478 | 1 | | | | | | | | | | |
| Brookton, Mass. | Sept. 17. | 27,294 | 11 | | | | | | | | | | |
| Cambridge, Mass. | do. | 70,028 | 36 | 8 | | | | | | | | | |
| Do. | Sept. 24. | 70,028 | 39 | 4 | | | | | | 1 | | | |
| Do. | Oct. 1. | 70,028 | 33 | 3 | | | | | | 1 | | 1 | 1 |
| Charleston, S. C. | Sept. 24. | 64,965 | 634 | 4 | | | | | | 3 | 1 | | |
| Chicago, Ill. | Oct. 1. | 1,092,850 | 410 | 60 | | | | | | 16 | | 10 | 1 |
| Cleveland, Ohio. | do. | 261,353 | 98 | 3 | | | | | | 3 | | 2 | |
| Concord, N. H. | Sept. 24. | 17,044 | 6 | | | | | | | | | | |
| Do. | Oct. 1. | 17,044 | 7 | 1 | | | | | | 1 | | | |
| Dayton, Ohio. | do. | 61,220 | 18 | 1 | | | | | | 1 | | | |
| Detroit, Mich. | do. | 205,876 | 84 | 10 | | | | | | 1 | | | |
| Dunkirk, N. Y. | Sept. 24. | 9,416 | 4 | | | | | | | 2 | | 1 | 2 |
| Erie, Pa. | do. | 40,634 | 9 | | | | | | | | | | |
| Everett, Mass. | do. | 11,068 | 8 | | | | | | | 1 | | | |
| Fall River, Mass. | Oct. 1. | 74,398 | 38 | | | | | | | | | | |
| Fitchburg, Mass. | Sept. 24. | 22,037 | 7 | | | | | | | 3 | | | |
| Grand Rapids, Mich. | do. | 60,278 | 18 | 1 | | | | | | | | | |
| Do. | Oct. 1. | 60,278 | 19 | 3 | | | | | | 1 | | 1 | |
| Green Bay, Wis. | Sept. 24. | 9,069 | 4 | | | | | | | 1 | | | |
| Haverhill, Mass. | Oct. 1. | 27,412 | 8 | 3 | | | | | | | | | |
| Hoboken, N. J. | do. | 43,648 | 19 | 1 | | | | | | 1 | | | 1 |
| Jacksonville, Fla. | Sept. 24. | 17,201 | 46 | 1 | | | | | | 1 | | | |
| Jersey City, N. J. | do. | 163,003 | 72 | 11 | | | | | | 28 | | | |
| Kalamazoo, Mich. | do. | 17,853 | 6 | | | | | | | | 1 | | 3 |
| Lawrence, Mass. | do. | 44,654 | 18 | | | | | | | | | | |
| Lowell, Mass. | Oct. 1. | 77,696 | 29 | 2 | | | | | | | | 1 | |
| Lynchburg, Va. | do. | 19,709 | 7 | | | | | | | | | 2 | |
| McKeesport, Pa. | Sept. 24. | 20,741 | 7 | | | | | | | | | 1 | |
| Manchester, N. H. | do. | 44,126 | 21 | 2 | | | | | | | | | |
| Do. | Oct. 1. | 44,126 | 18 | | | | | | | 1 | | 2 | |
| Massillon, Ohio. | Sept. 24. | 10,092 | 4 | | | | | | | | | | |
| Medford, Mass. | Sept. 7. | 11,079 | 6 | | | | | | | | | | |
| Do. | Oct. 1. | 11,079 | 4 | 1 | | | | | | | | | |
| Melrose, Mass. | Sept. 24. | 8,519 | 2 | | | | | | | | | | |
| Michigan City, Ind. | Oct. 1. | 10,776 | 2 | | | | | | | | | | |
| Middletown, N. Y. | Sept. 30. | 11,977 | 10 | 1 | | | | | | | | | |
| Milwaukee, Wis. | Oct. 1. | 204,468 | 63 | 2 | | | | | | | | | |
| Nashville, Tenn. | do. | 76,168 | 30 | 7 | | | | | | 3 | 1 | | 3 |
| New Bedford, Mass. | do. | 40,733 | 27 | 2 | | | | | | | | 1 | |
| New Orleans, La. | Sept. 24. | 242,039 | 172 | 20 | 1 | | | | | 6 | | | 2 |
| Newport, R. I. | Oct. 1. | 19,457 | 10 | | | | | | | | | | |
| New York, N. Y. | do. | 3,438,899 | 1,269 | 135 | | | | | | 30 | 4 | 15 | 4 |
| North Adams, Mass. | Sept. 24. | 16,074 | 6 | | | | | | | | | | |
| Do. | Oct. 1. | 16,074 | 3 | | | | | | | | | | |
| Omaha, Nebr. | Sept. 24. | 140,452 | 16 | | | | | | | | | | |
| Oneonta, N. Y. | Oct. 1. | 6,272 | 3 | | | | | | | | | | |
| Petersburg, Va. | Sept. 24. | 22,680 | 4 | | | | | | | | | | 1 |
| Do. | Oct. 1. | 22,680 | 9 | 2 | | | | | | | | | |
| Philadelphia, Pa. | Sept. 24. | 1,046,964 | 376 | 40 | | | | | | 15 | | 17 | 4 |
| Do. | Oct. 1. | 1,046,964 | 382 | 43 | | | | | | 24 | 1 | 30 | 3 |
| Pittsburg, Pa. | Sept. 27. | 238,617 | 63 | 3 | | | | | | 4 | 1 | 2 | 3 |
| Plainfield, N. J. | Oct. 1. | 11,267 | 2 | | | | | | | | | | |
| Providence, R. I. | do. | 132,146 | 58 | 6 | | | | | | | | | 2 |
| Salt Lake City, Utah. | Sept. 24. | 44,843 | 10 | | | | | | | | | | |
| San Diego, Cal. | do. | 16,159 | 5 | | | | | | | 2 | | | |
| San Jose, Cal. | do. | 18,060 | 2 | | | | | | | | | | |
| Santa Barbara, Cal. | Sept. 17. | 5,864 | 5 | 2 | | | | | | | | | |
| Do. | Sept. 24. | 5,864 | 1 | | | | | | | | | | |
| Sault Ste. Marie, Mich. | do. | 5,760 | 4 | | | | | | | | | | |
| Shreveport, La. | do. | 11,979 | 7 | 1 | | | | | | 1 | | | |
| Springfield, Ill. | Oct. 3. | 24,903 | 11 | 2 | | | | | | 1 | | | |
| Spokane, Wash. | Sept. 24. | 19,922 | 11 | 2 | | | | | | 1 | | | |
| Warren, Ohio. | Oct. 1. | 5,973 | 0 | | | | | | | 1 | | | |
| Washington, D. C. | Sept. 24. | 230,392 | 104 | 16 | | | | | | 5 | | 7 | 2 |
| Wilmingon, Del. | Oct. 1. | 61,431 | 19 | | | | | | | | | | |
| Winona, Minn. | Sept. 24. | 18,208 | 7 | | | | | | | | | | |
| Woburn, Mass. | June 18. | 13,499 | 5 | | | | | | | 1 | | | |
| Do. | June 25. | 13,499 | 2 | | | | | | | | | | |

a Estimated population, 65,165—white, 28,877; colored, 36,295.

c Among troops.

d Estimated.

e Four soldiers.

f White, 9; colored, 25
nineteen soldiers.

MORTALITY TABLE, CITIES OF THE UNITED STATES—Continued.

| Cities. | Week ended. | Population, U. S. Census of 1890. | Total deaths from all causes. | Deaths from— | | | | | | | | |
|----------------------|---------------|-----------------------------------|-------------------------------|----------------------|---------------|-----------|-------------|----------|---------------|----------------|----------------|-------------|
| | | | | Phthisis pulmonalis. | Yellow fever. | Smallpox. | Variceloid. | Cholera. | Typhus fever. | Enteric fever. | Scarlet fever. | Diphtheria. |
| Woburn, Mass..... | July 2..... | 13,499 | 4 | | | | | | | | | |
| Do..... | July 9..... | 13,499 | 4 | | | | | | | | | |
| Do..... | July 16..... | 13,499 | 3 | 1 | | | | | | | | |
| Do..... | July 23..... | 13,499 | 1 | | | | | | | | | |
| Do..... | July 30..... | 13,499 | 4 | | | | | | | | | |
| Do..... | Aug. 6..... | 13,499 | 6 | 2 | | | | | | 1 | | |
| Do..... | Aug. 13..... | 13,499 | 8 | | | | | | | | | |
| Do..... | Aug. 20..... | 13,499 | 3 | 2 | | | | | | | | |
| Do..... | Aug. 27..... | 13,499 | 3 | | | | | | | | | |
| Do..... | Sept. 3..... | 13,499 | 5 | | | | | | | | | |
| Do..... | Sept. 10..... | 13,499 | 2 | | | | | | | | | |
| Do..... | Sept. 17..... | 13,499 | 8 | 1 | | | | | | 1 | | |
| Do..... | Sept. 24..... | 13,499 | 1 | | | | | | | | | |
| Worcester, Mass..... | Sept. 23..... | 84,655 | 36 | 1 | | | | | | | | |
| Yonkers, N. Y..... | Sept. 30..... | 32,033 | 12 | 2 | | | | | | 1 | | |

FOREIGN.

[Reports received from United States consuls through the Department of State and from other sources.]

Cholera, yellow fever, plague, and smallpox as reported to the Supervising Surgeon-General United States Marine-Hospital Service, January 1 to October 7, 1898.

CHOLERA.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|----------------------|----------------------|--------|---------|----------------------------|
| China: | | | | |
| Hongkong | Apr. 24-Apr. 30... | 5 | 3 | |
| India: | | | | |
| Bombay | Nov. 24-Nov. 30..... | | 4 | |
| | Dec. 1-Mar. 1..... | | 55 | |
| | Mar. 2-Mar. 29..... | | 11 | |
| | Mar. 30-Mar. 24..... | | 16 | |
| | June 1-June 7..... | | 1 | |
| | June 20-June 28..... | | 2 | |
| | July 5-July 12..... | | 3 | |
| | July 19-July 26..... | | 4 | |
| | July 26-Aug. 30..... | | 4 | |
| Calcutta..... | Nov. 14-Dec. 4..... | | 42 | |
| | Dec. 5-Jan. 1..... | | 31 | |
| | Jan. 2-Jan. 29..... | | 28 | |
| | Jan. 30-Feb. 26..... | | 82 | |
| | Feb. 27-Mar. 26..... | | 96 | |
| | Mar. 27-June 11..... | | 271 | |
| | June 25-July 16..... | | 17 | |
| | July 16-July 30..... | | 8 | |
| | July 31-Aug. 20..... | | 10 | |
| Madras..... | Nov. 20-Dec. 10..... | | 8 | |
| | Dec. 4-Dec. 31..... | | 11 | |
| | Jan. 1-Jan. 28..... | | 45 | |
| | Jan. 29-June 10..... | | 43 | |
| | May 28-June 3..... | | 1 | |
| | July 9-July 22..... | | 43 | |
| | July 22-July 29..... | | 36 | |
| | July 30-Aug. 6..... | | 38 | |
| | Aug. 6-Aug. 12..... | | 71 | |
| Singapore..... | Nov. 1-Nov. 30..... | | 1 | Cholera reported epidemic. |
| | Dec. 1-Dec. 31..... | | 1 | |
| | Mar. 1-Mar. 31..... | | 1 | |
| Japan: | | | | |
| Fukuoka Ken..... | June 27-July 27..... | 1 | 1 | |
| Hioo..... | May 19-June 5..... | 1 | 1 | |
| Ishikawa Ken..... | June 27-July 27..... | 3 | 2 | |
| Kanagawa Ken..... | Mar. 24-June 26..... | 15 | 7 | |
| Okayama..... | Apr. 29-May 19..... | 1 | 1 | |
| Osaka and Hioo..... | Mar. 26-June 11..... | 4 | 2 | |
| | May 21-May 28..... | 1 | 1 | |
| Tokyo Fu..... | July 16-Aug. 13..... | 5 | 3 | |
| | Apr. 11-June 15..... | 14 | 4 | |
| | July 28-Aug. 16..... | 18 | 15 | |
| Yamagata Ken..... | June 27-July 27..... | 1 | 1 | |
| Yokohama..... | Apr. 15-Apr. 29..... | | 1 | |
| Straits Settlements: | | | | |
| Singapore..... | June 1-June 30..... | | 1 | |

YELLOW FEVER.

| | | | | |
|----------------------|----------------------|-----|----|-------------------------------|
| Brazil: | | | | |
| Araraguara..... | Mar. 1-Mar. 31... | 4 | 3 | |
| | Apr. 1-May 31... | 125 | 57 | |
| Bahia..... | Dec. 27..... | 3 | 2 | |
| | Dec. 29..... | 6 | 3 | Taken off of Nor. bk. Adonis. |
| | May 2-June 7..... | 6 | 3 | |
| Ceara..... | Nov. 1-Nov. 30..... | | 1 | |
| Descalvado..... | May 1-May 31..... | 2 | 1 | |
| Jaboticabal..... | Mar. 1-Mar. 31..... | 35 | 16 | |
| Para..... | Dec. 12-Jan. 1..... | | 24 | |
| | Jan. 2-Jan. 15..... | | 22 | |
| | Jan. 16-Feb. 28..... | | 30 | |
| | June 1-June 23..... | 5 | 1 | |
| Ribeirao Bonito..... | Feb. 1-Mar. 31..... | 99 | 22 | |
| | Apr. 1-Apr. 30..... | 6 | 3 | |
| Rio Clara..... | Mar. 1-Mar. 31..... | 9 | 4 | |
| | Apr. 1-May 31..... | 69 | 33 | |

Cholera, yellow fever, plague, smallpox, etc.—Continued.

YELLOW FEVER—Continued.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|---------------------------|----------------------|--------|---------|---|
| Brazil—Continued. | | | | |
| Rio de Janeiro..... | Nov. 21-Dec. 4... | 1 | ..... |  |
| | Dec. 5-Jan. 1... | 8 | 3 | |
| | Jan. 1-Jan. 29... | 22 | 17 | |
| | Jan. 30-July 29... | ..... | 990 | |
| Sao Carlos de Pinhal..... | July 30-Aug. 19... | 40 | 26 | |
| | Feb. 28-Mar. 31... | 223 | 58 | Yellow fever reported. |
| | Apr. 1-May 31... | 262 | 90 | |
| | May 24..... | ..... | ..... | Yellow fever reported epidemic. |
| Santos | Jan. 2-Jan. 8... | 1 | 1 | |
| | Jan. 23-Jan. 29... | 3 | ..... |  |
| | Jan. 30-Feb. 28... | 21 | 3 | |
| | Mar. 1-Mar. 31... | 32 | 13 | |
| | Apr. 1-Apr. 30... | 103 | 52 | In isolation hospital. |
| | May 3-May 24... | 159 | 97 | 84 deaths in isolation hospital. |
| | June 4-June 18... | 72 | 43 | |
| Sao Paulo..... | Feb. 1-Mar. 31... | 4 | 3 | |
| Taboticabal..... | Apr. 1-Apr. 30... | 106 | 42 | |
| Tahir..... | May 1-May 31... | 3 | 1 | |
| Victoria..... | Apr. 29-May 13... | 3 | 2 | |
| Colombia: | | | | |
| Cartagena..... | June 1-June 30... | ..... | 1 | |
| Colon..... | July 1-July 30... | 5 | 4 | |
| | June 6-June 22... | ..... | ..... | Sporadic cases of yellow fever occur from time to time. |
| Costa Rica: | | | | |
| Limon..... | June 14-Aug. 19... | ..... | 3 | |
| | Aug. 16-Aug. 24... | ..... | 2 | |
| | Aug. 25-Sept. 10... | ..... | 2 | |
| Cuba: | | | | |
| Cienfuegos..... | Dec. 20-Jan. 2... | ..... | 2 | No reports received since hostilities with Spain began. |
| Habana | Jan. 3-Jan. 23... | ..... | 1 | Do. |
| | Dec. 17-Dec. 30... | ..... | 6 | |
| | Dec. 31-Jan. 27... | ..... | 9 | |
| | Jan. 28-Feb. 17... | ..... | 3 | |
| Manzanillo..... | Mar. 4-Mar. 31... | ..... | 4 | |
| | Sept. 16-Sept. 22... | ..... | 10 | |
| | Dec. 1-Dec. 31... | ..... | 28 | No reports received since hostilities with Spain began. |
| | Jan. 1-Jan. 31... | ..... | 9 | |
| Matanzas..... | Feb. 14-Feb. 28... | ..... | 5 | |
| | Dec. 15-Jan. 19... | ..... | 4 | Do. |
| | Feb. 9-Feb. 23... | ..... | 2 | |
| Regla..... | Dec. 31-Feb. 28... | ..... | 7 | Do. |
| Sagua la Grande..... | Mar. 1-Mar. 24... | ..... | 2 | |
| | Dec. 18-Jan. 20... | ..... | ..... | A few cases of yellow fever, but impossible to obtain statistics. No reports received since hostilities with Spain began. |
| Santiago de Cuba..... | Dec. 19-Jan. 29... | ..... | 6 | |
| | July 20-Aug. 2... | ..... | ..... | Yellow fever reported. |
| | Aug. 18..... | 1 | ..... |  |
| Siboney..... | July 10..... | 14 | ..... |  |
| Jamaica: | | | | |
| Kingston..... | Dec. 19-Jan. 1... | 1 | 1 | |
| | Jan. 2-Jan. 31... | 2 | 2 | |
| | Feb. 5-Feb. 19... | 2 | 1 | |
| | Aug. 10..... | ..... | 1 | From steamer Darien. |
| St. Andrew..... | Dec. 19-Jan. 1... | 1 | ..... |  |
| St. Catherine..... | Feb. 27-Mar. 5... | 1 | 1 | |
| | Dec. 19-Jan. 1... | 1 | ..... |  |
| St. Elizabeth..... | Dec. 19-Jan. 1... | 1 | 1 | |
| Mexico: | | | | |
| Monterey..... | Aug. 2..... | ..... | ..... | Yellow fever reported. |
| Tampico..... | July 17-July 24... | 15 | 7 | |
| | July 24-July 31... | ..... | 9 | |
| | Aug. 1-Sept. 4... | ..... | 122 | Reported epidemic August 6. |
| | Sept. 5-Sept. 25... | ..... | 50 | |
| Vera Cruz..... | July 9..... | ..... | ..... | 1 case reported. |
| | Aug. 14-Sept. 15... | ..... | 23 | |
| Santo Domingo: | | | | |
| Santo Domingo..... | May 7-May 14... | 1 | 1 | |
| San Salvador..... | June 4..... | 34 | 8 | Yellow fever reported. |
| | July 2..... | 5 | 2 | |
| | July 10-Aug. 7... | 33 | 6 | |
| West Indies: | | | | |
| Curacao..... | June 4..... | 10 | 1 | On H. M. S. Atkmaar. Patients taken to quarantine hospital. |
| Yucatan: | | | | |
| Merida..... | July 8..... | ..... | ..... | Yellow fever reported. |

Cholera, yellow fever, plague, smallpox, etc.—Continued.

PLAGUE.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|--|----------------------|--------|---------|---|
| Arabia: | | | | |
| Aden..... | July 28..... | 1 | 1 | Patient removed from steamship Carthage from Bombay. |
| Djiddah..... | Mar. 22-Apr. 16..... | | 34 | |
| Nuslah..... | Mar. 1-Mar. 25..... | 1 | | |
| China: | | | | |
| Amoy..... | June 11..... | | | Plague reported. June 14, 20 deaths a day. Under date of June 14, the United States consul reports that in Amoy and three adjacent cities the deaths amount to "not less than 100 daily." |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Canton..... | Mar. 22-Apr. 5..... | 10 | | |
| Hongkong..... | Nov. 7-Nov. 20..... | 2 | 2 | |
| | Dec. 18-Jan. 1..... | 2 | 2 | |
| | Jan. 2-Jan. 29..... | 6 | 5 | |
| | Jan. 30-Feb. 26..... | 64 | 56 | |
| | Feb. 27-Apr. 30..... | 596 | 529 | |
| | Apr. 30-May 28..... | 518 | 443 | |
| | June 1-June 14..... | 131 | 91 | |
| | June 4-June 25..... | | 134 | |
| | June 26-July 18..... | | 17 | |
| Swatow..... | Mar. 25..... | | | Do. |
| Macao..... | Apr. 9..... | | | Do. |
| Shanghai..... | Apr. 23..... | | | On ss. Glenturret, in quarantine. |
| Egypt: | | | | |
| Suez..... | May 5..... | | | 1 case plague on ss. Mahale. |
| India: | | | | |
| Bombay..... | Nov. 24-Nov. 30..... | | 70 | |
| | Dec. 1-Feb. 8..... | | 4,833 | |
| | Feb. 9-Mar. 1..... | | 3,436 | |
| | Mar. 2-Mar. 29..... | | 4,579 | |
| | Mar. 30-May 17..... | | 2,731 | |
| | June 1-June 25..... | | 94 | |
| | July 5-July 25..... | | 122 | |
| | July 27-Aug. 30..... | | 467 | |
| Calcutta..... | Apr. 25-May 4..... | 25 | 12 | Plague reported. "Sporadic." May 28. |
| | June 25-July 30..... | | 48 | |
| | July 31-Aug. 20..... | | 20 | |
| Japan: | | | | |
| Hio-go..... | May 19-June 5..... | 1 | 1 | In quarantine on steamship Peru. |
| Osaka and Hio-go..... | May 21-May 28..... | 1 | 1 | |
| Taiwan, Formosa..... | Dec. 28-Apr. 28..... | 505 | 84 | |
| Formosa Ports (Taipeh-Tainan, and Taiwan.) | Apr. 29-June 15..... | 2,338 | 1,483 | |
| Yokohama..... | Mar. 1-Apr. 11..... | 2 | 1 | In quarantine steamship Hikozan Maru. |
| Nagasaki..... | June 6-June 15..... | 1 | 1 | |
| Karachi..... | Apr. 6-Apr. 12..... | 51 | 31 | |
| Russia: | | | | |
| St. Petersburg..... | Mar. 26-Apr. 2..... | | 1 | |
| | Aug. 13..... | | 1 | |

SMALLPOX.

| | | | | |
|--------------------------|------------------------|-----|---|--|
| Australia: | | | | |
| Sydney..... | June 1-June 30..... | | 1 | |
| Belgium: | | | | |
| Antwerp..... | May 1-May 7..... | 2 | | |
| | June 4-June 11..... | 3 | 2 | |
| | July 31-Aug. 6..... | 1 | 2 | |
| | Aug. 13-Aug. 20..... | 2 | 1 | |
| Brussels..... | June 4-June 11..... | | 1 | |
| Ghent..... | May 7-May 14..... | | 1 | |
| | July 9-July 30..... | | 4 | |
| | Sept. 10-Sept. 17..... | | 1 | |
| Liege..... | July 23-July 30..... | | 1 | |
| | Aug. 13..... | | 1 | |
| Bohemia: | | | | |
| Prague..... | Dec. 12-Jan. 1..... | 11 | | |
| | Jan. 2-May 14..... | 151 | | |
| | June 11-June 18..... | 5 | | |
| British Columbia: | | | | |
| Victoria..... | May 9..... | 1 | | |

Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|--------------------------|----------------------|--------|---------|----------|
| Brazil: | | | | |
| Bahia..... | June 11-June 25... | 17 | ..... |  |
| Ceara..... | Mar. 1-Mar. 31... | ..... | 10 | |
| Montevideo..... | May 14-May 21... | 1 | ..... |  |
| Pernambuco..... | Dec. 1-Dec. 23... | ..... | 8 | |
| | Apr. 15-Apr. 23... | ..... | ..... |  |
| Rio de Janeiro..... | Nov. 21-Dec. 4... | 10 | ..... |  |
| | Dec. 5-Jan. 1... | 9 | 1 | |
| | Jan. 1-Apr. 8... | 2 | 1 | |
| | July 1-July 29... | 11 | ..... |  |
| Sao Paulo..... | Feb. 1-July 29... | 40 | 13 | |
| Sorocaba..... | Dec. 16-Jan. 30... | 32 | 10 | |
| British Columbia: | | | | |
| Vancouver..... | June 14..... | 9 | ..... |  |
| Canada: | | | | |
| Halifax..... | May 14-May 28... | 6 | ..... |  |
| Maïssonneuve..... | Jan. 26-Feb. 16... | 3 | ..... |  |
| Montreal..... | Jan. 3-Jan. 12... | 5 | 0 | |
| | Feb. 11-Feb. 16... | 1 | ..... |  |
| China: | | | | |
| Hongkong..... | Nov. 7-Dec. 4... | 6 | 4 | |
| | Dec. 5-Jan. 1... | 11 | 8 | |
| | Jan. 2-Apr. 30... | 194 | 113 | |
| | May 1-May 14... | ..... | 4 | |
| | May 28-June 18... | 3 | ..... |  |
| Cuba: | | | | |
| Cardenas..... | Dec. 19-Jan. 22... | ..... | 5 | |
| | Mar. 6-Mar. 27... | ..... | 8 | |
| Cienfuegos..... | Dec. 20-Jan. 2... | ..... | 7 | |
| | Jan. 3-Jan. 23... | ..... | 19 | |
| | Feb. 7-Feb. 27... | ..... | 35 | |
| | Feb. 28-Apr. 3... | ..... | 9 | |
| Habana..... | Dec. 17-Apr. 7... | ..... | 184 | |
| Matanzas..... | Jan. 20-Feb. 23... | ..... | 8 | |
| Regla..... | Feb. 18-Apr. 7... | ..... | 3 | |
| Sagua la Grande..... | Dec. 19-Jan. 29... | 233 | 29 | |
| | Jan. 30-Feb. 26... | 470 | 35 | |
| | Feb. 27-Apr. 4... | 437 | 26 | |
| England: | | | | |
| Bristol..... | Feb. 6-Feb. 19... | 1 | ..... |  |
| | July 16-July 23... | 1 | ..... |  |
| Leeds..... | Mar. 19-Apr. 9... | 6 | 4 | |
| Liverpool..... | Jan. 15-Jan. 29... | 3 | ..... |  |
| | Feb. 1-Apr. 2... | 6 | ..... |  |
| London..... | Feb. 27-Mar. 26... | 4 | ..... |  |
| | June 4-June 25... | 1 | 1 | |
| | Aug. 21-Sept. 10... | 7 | ..... |  |
| Middlesborough..... | Feb. 9..... | 90 | ..... |  |
| Newcastle on Tyne..... | Mar. 19-June 18... | 13 | 2 | |
| | June 25-July 2... | ..... | 1 | |
| Southampton..... | Jan. 8-Feb. 12... | 2 | ..... |  |
| | June 18-June 25... | 2 | 3 | |
| | Sept. 10-Sept. 17... | 5 | ..... |  |
| South Shields..... | May 7-May 14... | 1 | ..... |  |
| Sunderland..... | Dec. 18-Jan. 8... | 1 | ..... |  |
| | Feb. 27-Mar. 26... | 4 | ..... |  |
| | June 11-June 18... | 1 | ..... |  |
| West Hartlepool..... | Jan. 9-Jan. 22... | 5 | ..... |  |
| France: | | | | |
| Marseilles..... | May 1-May 31... | 1 | 1 | |
| Nantes..... | July 1-July 31... | ..... | 1 | |
| Paris..... | July 2-July 9... | ..... | 1 | |
| | July 31-Aug. 6... | ..... | 1 | |
| Germany: | | | | |
| Bremen..... | Apr. 23-May 14... | 2 | ..... |  |
| Hamburg..... | Mar. 6-Mar. 12... | 2 | ..... |  |
| | July 16-July 23... | 1 | ..... |  |
| Gibraltar..... | Dec. 6-Dec. 12... | 1 | ..... |  |
| | Dec. 27-Apr. 3... | 6 | ..... |  |
| Honduras: | | | | |
| Tegucigalpa..... | July 9-July 23... | 2 | ..... |  |
| India: | | | | |
| Bombay..... | Feb. 9-May 24... | ..... | 32 | |
| | June 20-June 28... | ..... | 3 | |
| | July 5-July 12... | ..... | 1 | |
| | Aug. 2-Aug 30... | ..... | 3 | |
| Calcutta..... | Dec. 19-Dec. 25... | ..... | 1 | |
| | Jan. 30-May 28... | ..... | 56 | |
| | June 4-June 11... | ..... | 2 | |
| | June 25-July 16... | ..... | 5 | |

Removed from vessels.
Do.

Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|-------------------------|----------------------|--------|---------|----------|
| India—Continued. | | | | |
| Madras..... | Nov. 27-Dec. 3..... | | 1 | |
| | Dec. 4-Dec. 31..... | | 3 | |
| | Jan. 1-Jan. 28..... | | 6 | |
| | Jan. 29-Feb. 4..... | | 6 | |
| | Feb. 5-Apr. 22..... | | 66 | |
| | Apr. 30-May 20..... | | 12 | |
| | May 20-May 27..... | | 2 | |
| | July 22-July 29..... | | 1 | |
| | Aug. 6-Aug. 12..... | | 1 | |
| Singapore..... | Mar. 1-Mar. 31..... | | 1 | |
| Italy: | | | | |
| Messina..... | Dec. 12-Jan. 8..... | | 5 | |
| | Jan. 30-May 21..... | | 5 | |
| Japan: | | | | |
| Aichi Ken..... | Dec. 28-June 5..... | 9 | 1 | |
| | June 27-July 27..... | 4 | | |
| Akita Ken..... | Dec. 28-June 5..... | 18 | 4 | |
| | June 27-July 27..... | 4 | 2 | |
| Awomori Ken..... | Dec. 28-Aug. 16..... | 244 | 39 | |
| Chiba Ken..... | Dec. 28-Apr. 10..... | 9 | | |
| | June 27-July 27..... | 1 | | |
| Formosa..... | Feb. 4-Mar. 3..... | 7 | 4 | |
| Fukui Ken..... | Dec. 28-Feb. 3..... | 1 | | |
| Fukuoka Ken..... | Mar. 24-June 5..... | 6 | | |
| Fukushima Ken..... | Dec. 28-Aug. 16..... | 151 | 39 | |
| Gifu Ken..... | Feb. 4-Feb. 22..... | 1 | | |
| Gumma Ken..... | Feb. 4-Feb. 22..... | 1 | | |
| Hioyo..... | Apr. 29-June 5..... | 3 | | |
| | June 27-July 27..... | 6 | 1 | |
| Hiroshima Ken..... | Jan. 22-Feb. 3..... | 1 | | |
| Ishikawa Ken..... | Apr. 29-May 19..... | 2 | | |
| Iwate Ken..... | Dec. 28-June 5..... | 47 | 10 | |
| | June 27-July 27..... | 4 | 2 | |
| Kagoshima Ken..... | Feb. 4-Feb. 22..... | 1 | | |
| Kanagawa Ken..... | Dec. 28-Jan. 21..... | 3 | | |
| | June 27-July 27..... | 1 | | |
| Kioto Fu..... | Apr. 29-May 19..... | 1 | | |
| Kochi Ken..... | Dec. 28-Jan. 21..... | 1 | | |
| Miyagi Ken..... | Dec. 17-July 27..... | 107 | 27 | |
| Miyazaki Ken..... | Jan. 22-Feb. 3..... | 3 | 1 | |
| | Apr. 29-June 5..... | 96 | 7 | |
| | June 16-June 26..... | 1 | | |
| Nagano Ken..... | Feb. 4-Mar. 23..... | 9 | 5 | |
| | Apr. 29-May 19..... | 1 | | |
| Nagasaki Ken..... | Jan. 22-Mar. 23..... | 4 | 1 | |
| | Apr. 29-May 19..... | 1 | | |
| Nara..... | Apr. 29-May 19..... | 1 | | |
| Niigata Ken..... | Mar. 4-Mar. 23..... | 4 | 1 | |
| | June 16-June 26..... | 1 | | |
| Oita Ken..... | July 28-Aug. 16..... | 1 | | |
| Okayama Ken..... | Feb. 4-Apr. 10..... | 3 | 1 | |
| | June 16-June 26..... | 1 | | |
| Osaka Fu..... | Dec. 28-June 5..... | 4 | | |
| | June 27-July 27..... | 1 | | |
| Oyama Ken..... | Mar. 4-Mar. 23..... | 1 | | |
| Saitama Ken..... | Dec. 17-Dec. 27..... | 1 | | |
| Shidzuoka Ken..... | Apr. 29-May 19..... | 2 | 1 | |
| Shiga Ken..... | May 19-June 26..... | 3 | | |
| Tochigo Ken..... | Mar. 24-Apr. 10..... | 1 | | |
| Tokyo Fu..... | Dec. 28-Mar. 23..... | 6 | | |
| | June 16-July 27..... | 9 | | |
| Tokushima Ken..... | Apr. 29-June 5..... | 3 | | |
| Tottori..... | June 6-June 15..... | 1 | | |
| Yamagata Ken..... | Jan. 22-Aug. 16..... | 48 | 9 | |
| | June 27-July 27..... | 4 | 1 | |
| Yamaguchi Ken..... | Feb. 4-Apr. 28..... | 10 | 1 | |
| Yamanashi Ken..... | Mar. 24-Apr. 28..... | 5 | 1 | |
| | June 27-July 27..... | 4 | | |
| Yehime Ken..... | Dec. 17-Apr. 10..... | 59 | 13 | |
| | Apr. 29-June 26..... | 12 | | |
| The Hokkaido..... | Dec. 17-June 15..... | 510 | 142 | |
| | July 28-Aug. 16..... | 3 | 2 | |
| Mexico: | | | | |
| Nogales..... | May 13..... | 4 | | |

Cholera, yellow fever, plague, smallpox, etc.—Continued.

SMALLPOX—Continued.

| Places. | Date. | Cases. | Deaths. | Remarks. |
|----------------------|---------------------|--------|---------|------------------------------------|
| Norway: | | | | |
| Christiania..... | Mar. 20-May 21... | 19 | 2 | |
| | July 2-July 23... | 9 | 1 | |
| | July 31-Aug. 13... | 4 | 1 | |
| | Aug. 13-Aug. 20... | 1 | 1 | |
| | Aug. 20-Aug. 27... | 1 | 1 | |
| Nova Scotia: | | | | |
| Halifax..... | June 4-June 11... | 3 | ..... | At quarantine hospital. |
| Netherlands: | | | | |
| Amsterdam..... | Dec. 12-Dec. 24... | 1 | ..... |  |
| Rotterdam..... | Dec. 12-Dec. 31... | 3 | 1 | |
| | Jan. 1-Jan. 29... | 1 | ..... |  |
| Russia: | | | | |
| Moscow..... | Nov. 23-Dec. 4... | 1 | 1 | |
| | Dec. 5-Dec. 11... | 1 | 1 | |
| | Jan. 1-May 14... | 63 | 17 | |
| | May 21-May 28... | 4 | 2 | |
| | June 4-July 9... | 30 | 11 | |
| | July 23-July 30... | 2 | 2 | |
| | Aug. 27-Sept. 3... | 3 | 1 | |
| Odessa..... | Dec. 5-Jan. 1... | 53 | 9 | |
| | Jan. 2-Jan. 29... | 34 | 7 | |
| | Jan. 30-July 3... | ..... | 21 | |
| | July 23-Aug. 6... | 7 | 2 | |
| | Aug. 13-Sept. 10... | 9 | ..... |  |
| St. Petersburg..... | Dec. 4-Dec. 25... | 35 | 13 | |
| | Jan. 9-Jan. 29... | 56 | 19 | |
| | Jan. 30-July 30... | ..... | 80 | |
| | Aug. 6-Aug. 27... | 3 | ..... |  |
| | Aug. 28-Sept. 3... | 6 | 2 | |
| Warsaw..... | Dec. 19-May 28... | ..... | 136 | |
| | June 4-June 18... | ..... | 15 | |
| | June 25-July 23... | ..... | 22 | |
| | Aug. 1-Aug. 8... | ..... | 6 | |
| | Aug. 13-Aug. 20... | ..... | 3 | |
| | Sept. 3-Sept. 10... | ..... | 10 | |
| Scotland: | | | | |
| Edinburgh..... | Apr. 16-Apr. 30... | 2 | ..... |  |
| Glasgow..... | Dec. 5-Dec. 25... | 3 | 1 | |
| Leith..... | Apr. 3-Apr. 30... | 2 | 1 | |
| Spain: | | | | |
| Corunna..... | Jan. 1-Feb. 5... | ..... | 2 | |
| Madrid..... | Dec. 22-Dec. 28... | ..... | 1 | |
| | Feb. 8-Apr. 6... | ..... | 3 | |
| Straits Settlements: | | | | |
| Singapore..... | June 1-June 30... | ..... | 3 | |
| Turkey: | | | | |
| Constantinople..... | Jan. 10-Feb. 6... | ..... | 53 | |
| | Feb. 28-May 8... | ..... | 94 | |
| Uruguay: | | | | |
| Montevideo..... | Dec. 25-Mar. 19... | 5 | ..... |  |
| | May 1-May 7... | ..... | 1 | |
| | June 19-June 26... | 1 | ..... |  |
| | July 9-July 16... | 2 | ..... |  |
| | July 30-Aug. 6... | 1 | ..... |  |
| Venezuela: | | | | |
| Caracas..... | June 7-July 25... | ..... | ..... | More than 150 cases in the city. |
| Puerto Cabello..... | Apr. 2-Apr. 11... | 23 | 6 | Smallpox increasing, June 7, 1898. |
| Valencia..... | Apr. 2-Apr. 11... | 54 | ..... | July 23, about 1,000 cases. |
| | To Aug. 21... | 2,000 | 600 | |
| Wales: | | | | |
| Cardiff..... | Dec. 18-Dec. 24... | 1 | ..... |  |

CITY OF MEXICO.

[Population, 300,000.]

Mortality statistics for the six months ended July 31, 1898.

[Translated and compiled in this Bureau from the Boletín del Consejo Superior de Salubridad.]

| Months. | Causes of death. | | | | | | | | Total. |
|---------------|----------------------|---------------|-----------|---------|----------------|----------------|-------------|----------|-----------------|
| | Phthisis pulmonalis. | Yellow fever. | Smallpox. | Typhus. | Enteric fever. | Scarlet fever. | Diphtheria. | Measles. | Whooping cough. |
| January..... | 99 | 0 | 8 | 57 | 1 | 0 | 2 | 10 | 0 |
| February..... | 93 | 0 | 3 | 49 | 1 | 25 | 7 | 85 | 0 |
| March..... | 101 | 0 | 14 | 69 | 5 | 42 | 7 | 165 | 0 |
| April..... | 84 | 0 | 11 | 62 | 4 | 70 | 8 | 221 | 0 |
| May..... | 87 | 0 | 13 | 52 | 2 | 42 | 4 | 127 | 0 |
| June..... | 81 | 0 | 5 | 52 | 2 | 16 | 5 | 42 | 0 |
| July..... | 81 | 0 | 5 | 52 | 2 | 16 | 5 | 42 | 0 |
| Totals..... | 545 | 0 | 54 | 341 | 15 | 195 | 33 | 656 | 0 |

BOMBAY.

Statement of morbidity and mortality from bubonic plague in the city of Bombay in 1896.

[From official report on civil medical institutions in the city of Bombay for the year 1896.]

| Date. | September. | | October. | | November. | | December. | |
|------------|------------|---------|----------|---------|-----------|---------|-----------|---------|
| | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. | Cases. | Deaths. |
| 1..... | | | 26 | 24 | 11 | 10 | 19 | 11 |
| 2..... | | | 21 | 15 | 10 | 8 | 28 | 20 |
| 3..... | | | 32 | 15 | 6 | 10 | 21 | 20 |
| 4..... | | | 12 | 16 | 8 | 5 | 43 | 23 |
| 5..... | | | 16 | 12 | 13 | 10 | 35 | 16 |
| 6..... | | | 16 | 18 | 10 | 9 | 43 | 28 |
| 7..... | | | 17 | 8 | 5 | 3 | 28 | 28 |
| 8..... | | | 20 | 7 | 16 | 10 | 55 | 37 |
| 9..... | | | 8 | 6 | 10 | 13 | 42 | 30 |
| 10..... | | | 13 | 6 | 12 | 5 | 49 | 41 |
| 11..... | | | 12 | 7 | 10 | 10 | 51 | 37 |
| 12..... | | | 5 | 7 | 4 | 10 | 51 | 35 |
| 13..... | | | 9 | 4 | 10 | 4 | 58 | 47 |
| 14..... | | | 6 | 5 | 9 | 9 | 44 | 42 |
| 15..... | | | 10 | 5 | 9 | 6 | 46 | 29 |
| 16..... | | | 4 | 8 | 11 | 5 | 44 | 29 |
| 17..... | | | 12 | 10 | 12 | 10 | 59 | 36 |
| 18..... | | | 13 | 10 | 11 | 7 | 67 | 30 |
| 19..... | | | 19 | 9 | 20 | 11 | 33 | 36 |
| 20..... | | | 14 | 9 | 12 | 9 | 44 | 28 |
| 21..... | 11 | 1 | 17 | 10 | 16 | 13 | 49 | 26 |
| 22..... | | 4 | 13 | 11 | 11 | 11 | 66 | 40 |
| 23..... | | | 17 | 8 | 16 | 13 | 85 | 37 |
| 24..... | 11 | 6 | 17 | 13 | 16 | 8 | 75 | 65 |
| 25..... | 17 | 5 | 9 | 13 | 13 | 11 | 46 | 49 |
| 26..... | 13 | 11 | 10 | 9 | 14 | 10 | 65 | 53 |
| 27..... | 19 | 11 | 7 | 14 | 16 | 14 | 72 | 56 |
| 28..... | 17 | 12 | 14 | 5 | 11 | 6 | 95 | 70 |
| 29..... | 29 | 9 | 10 | 10 | 15 | 11 | 82 | 60 |
| 30..... | 22 | 15 | 6 | 1 | 12 | 7 | 87 | 55 |
| 31..... | | | 11 | 6 | | | 72 | 46 |
| Total..... | 139 | 74 | 415 | 301 | 333 | 268 | 1,655 | 1,160 |

Plague was first noticed by Dr. A. G. Viegas, on September 23, 1896, but after the identity of the disease was clearly established many other medical men recognized that they had treated cases before this date, and it is probable that the disease existed in Bombay in the preceding August or July.

SWITZERLAND.

Mortality statistics for the second quarter of the year 1898.[Translated and compiled in this Bureau from the *Wochen bulletin der Schweiz.*]

| Cantons. | Popula- tion. | Causes of death. | | | | | | |
|-------------------|------------------|---------------------------|-----------|----------------|----------------|-------------|----------|--------|
| | | Phthisis pul- monalis. | Smallpox. | Enteric fever. | Scarlet fever. | Diphtheria. | Measles. | Total. |
| Aargau | 187,858 | 112 | 0 | 2 | 1 | 10 | 0 | 4 |
| Appenzell | 69,603 | 31 | 0 | 0 | 0 | 3 | 4 | 0 |
| Basel State..... | 65,357 | 29 | 0 | 0 | 1 | 10 | 0 | 0 |
| Basel Town..... | 100,917 | 70 | 0 | 6 | 0 | 10 | 3 | 19 |
| Bern | 549,387 | 307 | 0 | 12 | 0 | 83 | 57 | 5 |
| Fribourg..... | 124,838 | 55 | 0 | 3 | 0 | 29 | 0 | 5 |
| St. Gall..... | 250,283 | 171 | 0 | 1 | 2 | 4 | 9 | 3 |
| Geneva..... | 112,247 | 107 | 4 | 2 | 0 | 2 | 4 | 8 |
| Glarus..... | 33,327 | 27 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grisons..... | 95,941 | 69 | 0 | 0 | 0 | 3 | 1 | 0 |
| Lucerne..... | 136,137 | 64 | 0 | 1 | 0 | 6 | 3 | 2 |
| Neuchatel..... | 121,120 | 61 | 0 | 1 | 1 | 6 | 1 | 2 |
| Unterwalden..... | 13,209 | 12 | 0 | 0 | 0 | 0 | 0 | 0 |
| Schaffhausen..... | 14,698 | 7 | 0 | 1 | 0 | 1 | 0 | 0 |
| Schyz..... | 37,237 | 22 | 0 | 0 | 0 | 0 | 0 | 2 |
| Solothurn..... | 80,777 | 40 | 0 | 0 | 0 | 1 | 0 | 1 |
| Tecino..... | 91,918 | 45 | 0 | 2 | 0 | 10 | 1 | 2 |
| Thurgau..... | 128,792 | 65 | 0 | 6 | 1 | 1 | 7 | 5 |
| Vand..... | 111,204 | 57 | 0 | 0 | 0 | 2 | 2 | 4 |
| Vaud..... | 266,994 | 151 | 0 | 4 | 3 | 14 | 2 | 9 |
| Valais..... | 104,132 | 27 | 0 | 7 | 0 | 6 | 0 | 5 |
| Uri..... | 17,249 | 3 | 0 | 0 | 0 | 1 | 0 | 1 |
| Zug..... | 23,267 | 16 | 0 | 1 | 0 | 11 | 1 | 3 |
| Zurich..... | 399,441 | 239 | 0 | 10 | 1 | 26 | 13 | 14 |
| Total..... | 3,105,343 | 1,787 | 4 | 59 | 10 | 239 | 108 | 94 |
| | | | | | | | | 15,257 |

BRAZIL.

*Sanitary report from Rio.*RIO DE JANEIRO, *September 1, 1898.*

SIR: I have the honor to transmit to you the official report for the week ended August 19: There were 234 deaths from all causes, a decrease of 13 as compared with the foregoing week; 6 deaths from *accessio pernicioso*, an increase of 2; 11 deaths from yellow fever, an increase of 3; none of smallpox, none of diphtheria—before, 1 of each; 2 deaths from beriberi, the same as before, and 48 deaths from tuberculosis, an increase of 8.

There occurred, during the week ended August 26, 235 deaths from all causes; 4 deaths from *accessio pernicioso*; 7 deaths from yellow fever; 4 deaths from different fevers, and 1 death from beriberi.

Information.—In regard to the state of health in the city and harbor of Rio de Janeiro, I have nothing especial to report.

I have recently had a chance to receive a publication concerning mortality statistics in the state of Sao Paulo. Thinking that these data may have some interest for you, I have extracted some of the most important parts thereof and prepared the inclosed tables. I have taken in especial consideration the capital of the state, the city of Sao Paulo, the port of Santos, and, moreover, I have combined the figures relating to 58 cities and other localities, which are classified in my tables under the head of "different localities."

You will find a statement of the nationality of the deceased. Another table shows the number of deaths, arranged according to various special diseases, by which they were caused. I have also prepared a table in regard to the most important infectious diseases—tuberculosis, typhoid fever, diphtheria, whooping cough, beriberi—a table which represents the number of fatal cases that occurred in the most important cities: Sao Paulo, Santos, Campinas, Sorocaba, and Rio Claro, and I have embraced in this table the last years from 1893, respectively, to 1895, in so far as the data have been obtainable.

I have refrained from copying the statements of the percentages or rates per thousand of the deaths; such figures have only importance when the number of inhabitants is in reality exactly known. The number of inhabitants of the city of Sao Paulo is estimated at 230,000, and that of Santos at 35,000; but no correct census has been taken.

In regard to the table relating to nationalities, I beg to remark, that in the state of Sao Paulo, the largest number of immigrants are Italians (*a*), and in the capital their number is especially large. Among foreigners, the Portuguese occupy numerically the second place, and then follow the Spaniards and Germans. The English colony in the state of Sao Paulo is quite small and there are also very few Americans.

I refrain from commenting especially on the number contained in each table, presuming, that the figures speak for themselves to the well-informed reader.

Since last report the following-named ships have been inspected and received bills of health of this office: August 27, steamship *Eastern Prince*, British, for New York; steamship *Kendal*, British, for St. Lucia. August 30, steamship *Sirius*, British, for New York; steamship *Rydal Hall*, British, for St. Lucia; barkentine *Priscilla*, American, for Baltimore. August 31, steamship *Hogarth*, British, for New Orleans; steamship *Scottish Prince*, British, for New York; steamship *Darlecara*, German, for New York.

Respectfully, yours,

W. HAVELBURG, M. D.,
Sanitary Inspector, U. S. M. H. S.

Deaths according to nationality.

| Nationality. | Sao Paulo. | Santos. | Different localities. | Total |
|--------------------------------------|------------|---------|-----------------------|--------|
| Brazilians..... | 3,528 | 1,012 | 15,835 | 20,375 |
| Italians..... | 1,371 | 84 | 1,658 | 3,113 |
| Spaniards..... | 218 | 108 | 308 | 634 |
| Portuguese..... | 400 | 150 | 255 | 805 |
| Germans..... | 50 | 10 | 112 | 172 |
| British..... | 17 | 8 | 7 | 32 |
| French..... | 15 | 4 | 17 | 36 |
| Other Europeans..... | 46 | 26 | 127 | 199 |
| Americans..... | 2 | 1 | 0 | 3 |
| Other and unknown nationalities..... | 72 | 56 | 401 | 529 |
| Total..... | 5,719 | 1,459 | 18,720 | 25,898 |

a Estimated in the state of Sao Paulo at 800,000.

Deaths in the state of Sao Paulo, Brazil, in the year 1897.

| Disease. | Sao Paulo. | Santos. | Different localities. | Total. |
|---|------------|---------|-----------------------|--------|
| Tuberculosis..... | 406 | 154 | 843 | 1,403 |
| Malaria..... | 214 | 110 | 585 | 909 |
| Typhoid fever..... | 223 | 13 | 277 | 513 |
| Yellow fever..... | 28 | 37 | 816 | 881 |
| Smallpox..... | 26 | 7 | 34 | 67 |
| Syphilis..... | 21 | 13 | 69 | 103 |
| Cholera nostras..... | 18 | ..... | 15 | 33 |
| Hydrophobia..... | 1 | ..... | 2 | 3 |
| Cancer..... | 51 | 2 | 67 | 120 |
| Alcoholism..... | 12 | 16 | 40 | 68 |
| Diseases of the nervous system..... | 261 | 61 | 419 | 741 |
| Meningitis..... | 145 | 19 | 150 | 314 |
| Tetanus..... | 10 | 6 | 42 | 58 |
| Diseases of the circulative system..... | 343 | 118 | 845 | 1,306 |
| Diseases of the respiratory system..... | 738 | 124 | 1,382 | 2,244 |
| Diseases of the digestive system..... | 1,374 | 255 | 3,738 | 5,367 |
| Diseases of the urinary system..... | 93 | 25 | 155 | 273 |
| Diseases of the puerperal system..... | 45 | 3 | 239 | 287 |
| Trismus nascentium..... | 29 | 36 | 129 | 194 |

Deaths in the principal cities of Sao Paulo.

| Year. | Tuberculosis. | | | | | Typhoid fever. | | | | | Malarial fever. | | | | |
|-----------|---------------|---------|-----------|-----------|------------|----------------|---------|-----------|-----------|------------|-----------------|---------|-----------|-----------|------------|
| | Sao Paulo. | Santos. | Campinas. | Sorocaba. | Rio Claro. | Sao Paulo. | Santos. | Campinas. | Sorocaba. | Rio Claro. | Sao Paulo. | Santos. | Campinas. | Sorocaba. | Rio Claro. |
| 1893..... | 327 | ..... | ..... | ..... | ..... | 124 | ..... | ..... | ..... | ..... | 342 | ..... | ..... | ..... | ..... |
| 1894..... | 390 | 173 | ..... | ..... | ..... | 135 | 25 | ..... | ..... | ..... | 273 | ..... | ..... | ..... | ..... |
| 1895..... | 365 | 148 | 71 | 48 | 31 | 93 | 9 | 27 | 16 | 15 | 239 | 104 | 44 | 45 | 32 |
| 1896..... | 434 | 161 | 88 | 22 | 22 | 187 | 8 | 19 | 22 | 22 | 283 | 143 | 33 | 21 | 21 |
| 1897..... | 406 | 154 | 110 | 42 | 29 | 223 | 13 | 27 | 18 | 18 | 214 | 37 | 38 | 18 | 19 |

| Year. | Yellow fever. | | | | | Smallpox. | | | | | Measles. | | | | |
|-----------|---------------|---------|-----------|-----------|------------|------------|---------|-----------|-----------|------------|------------|---------|-----------|-----------|------------|
| | Sao Paulo. | Santos. | Campinas. | Sorocaba. | Rio Claro. | Sao Paulo. | Santos. | Campinas. | Sorocaba. | Rio Claro. | Sao Paulo. | Santos. | Campinas. | Sorocaba. | Rio Claro. |
| 1893..... | 125 | ..... | ..... | ..... | ..... | 65 | ..... | ..... | ..... | ..... | 129 | ..... | ..... | ..... | ..... |
| 1894..... | 325 | 172 | ..... | ..... | ..... | 0 | 1 | ..... | ..... | ..... | 21 | 1 | ..... | ..... | ..... |
| 1895..... | 39 | 1,058 | 321 | 0 | 0 | 22 | 6 | 0 | 0 | 0 | 61 | 17 | 4 | 0 | 3 |
| 1896..... | 98 | 435 | 788 | 57 | 57 | 21 | 11 | 0 | 0 | 0 | 71 | 18 | 1 | 11 | 11 |
| 1897..... | 82 | 37 | 81 | 3 | 54 | 26 | 7 | 4 | 0 | 0 | 77 | 16 | 5 | 11 | 39 |

| Year. | Scarlet fever. | | | | | Diphtheria. | | | | | Whooping cough. | | | | | Beriberi. | | | | |
|-----------|----------------|---------|-----------|-----------|------------|-------------|---------|-----------|-----------|------------|-----------------|---------|-----------|-----------|------------|------------|---------|-----------|-----------|------------|
| | Sao Paulo. | Santos. | Campinas. | Sorocaba. | Rio Claro. | Sao Paulo. | Santos. | Campinas. | Sorocaba. | Rio Claro. | Sao Paulo. | Santos. | Campinas. | Sorocaba. | Rio Claro. | Sao Paulo. | Santos. | Campinas. | Sorocaba. | Rio Claro. |
| 1893..... | 1 | ..... | ..... | ..... | ..... | 19 | ..... | ..... | ..... | ..... | 15 | ..... | ..... | ..... | ..... | 2 | ..... | ..... | ..... | ..... |
| 1894..... | 0 | 0 | ..... | ..... | ..... | 13 | 1 | ..... | ..... | ..... | 20 | 0 | ..... | ..... | ..... | 4 | 3 | ..... | ..... | ..... |
| 1895..... | 6 | 0 | 0 | 0 | 0 | 23 | 2 | 7 | 0 | 3 | 40 | 0 | 9 | 4 | 6 | 5 | 3 | 0 | 0 | 0 |
| 1896..... | 16 | 0 | 4 | 0 | 0 | 17 | 1 | 10 | 0 | 0 | 16 | 0 | 5 | 4 | 18 | 4 | 0 | 1 | 0 | 0 |
| 1897..... | 1 | 0 | 0 | 0 | 0 | 33 | 0 | 8 | 3 | 3 | 21 | 0 | 8 | 1 | 19 | 0 | 1 | 0 | 1 | 0 |

MEXICO.

Yellow fever reported at San Fernando.

DEPARTMENT OF STATE,
Washington, D. C., September 30, 1898.

SIR: I have the honor to quote for your information the following telegram from our consul at Matamoras:

BROWNSVILLE, TEX., September 28, 1898.—Yellow fever San Fernando this consular district.

Respectfully, yours,
HON. SECRETARY OF THE TREASURY.

JOHN HAY.

PERU.

Deaths at Callao from 1887 to 1896.

DEPARTMENT OF STATE,
Washington, D. C., September 28, 1898.

SIR: I have the honor to inclose for the information of the Supervising Surgeon-General United States Marine-Hospital Service, a copy of a statement of deaths at Callao, Peru, for the years 1887 to 1896, which was received as an inclosure with dispatch No. 30 of the 23d ultimo from our consul at that place.

Respectfully, yours,

ALVEY A. ADEE,
Acting Secretary.

HON. SECRETARY OF THE TREASURY.

[Inclosure.]

City of Callao, Peru.

| Year. | Population. | Deaths from— | | | | |
|------------|-------------|--------------|------------|--------------|----------------------|---------------|
| | | All causes. | Small-pox. | Consumption. | Typhoid and malaria. | Yellow fever. |
| 1887..... | 26,805 | 799 | (a) | 229 | 33 | (a) |
| 1888..... | 26,805 | 1,116 | (a) | 223 | 16 | (a) |
| 1889..... | 26,805 | 889 | (a) | 217 | 9 | 3 |
| 1890..... | 26,805 | 1,083 | 9 | 215 | 19 | (a) |
| 1891..... | 26,805 | 1,132 | 238 | 283 | 32 | (a) |
| 1892..... | 26,805 | 1,115 | 70 | 236 | 37 | (a) |
| 1893..... | 26,805 | 898 | 5 | 223 | 18 | (a) |
| 1894..... | 26,805 | 804 | 8 | 258 | 21 | (a) |
| 1895..... | 26,805 | 790 | (a) | 311 | 18 | (a) |
| 1896..... | 26,805 | 900 | 309 | 282 | 36 | (a) |
| Total..... | 26,805 | 9,526 | 639 | 2,477 | 239 | 3 |

(a) None.

NOTE.—No deaths occurred from respiratory diseases and cholera. Present officially estimated population is 25,000.

SUMMARY.

| | |
|---------------------------------|-------|
| Yellow fever..... | 3 |
| Typhoid-malarial fevers..... | 239 |
| Smallpox..... | 639 |
| Consumption (tuberculosis)..... | 2,477 |
| All other causes..... | 9,526 |

Total deaths from 1887 to 1896..... 12,884

TURKEY.

Bubonic plague in Djiddah.

[Report No. 200.]

CONSTANTINOPLE, September 17, 1898.

The existence of bubonic plague in Djiddah continues to be discussed. According to the official reports which the British consul forwards to the British embassy in Constantinople, bubonic plague cases do exist in Djiddah but he states he can not officially report their number. In a letter written by him to the sanitary inspector of Djiddah, which letter has been forwarded to the International Sanitary Commission and read at its last sitting, he states that he takes all the necessary steps for the disinfection of the houses where said bubonic plague cases have occurred. The above-mentioned British vice-consul, who at the same time is a physician, states that on July 12 a bubonic plague death occurred. The sanitary office of Djiddah announces that it has been forbidden in this latter town to bury without medical certificate and that no notice has been given to that office of such a death. It has been decided to make inquiry and to ascertain how the corpse of the man who died from bubonic plague was buried.

There is no sanitary news from the province of Yemen.

After a long discussion on the infectious nature of feathers and down, the International Sanitary Commission has issued the decision inclosed herewith.

The sanitary news received from the other provinces of the Turkish Empire is good.

The Constantinople public health is satisfactory. There exist, as always, some smallpox cases as well as cases of whooping cough and other zymotic diseases, some of which have proved fatal.

During the thirteen days from August 22 to the 4th inst., 357 deaths were registered, of which 3 were from diphtheria, 8 from typhoid fever, and 15 from smallpox.

I have the honor to forward to the Department some French copies of the mortality statistics of Constantinople during the Ottoman year 1313, that is to say, from the 1st day of March, 1897, to the last day of February, 1898, as well as a copy of the two reports on the work on the lazaretto of Camaran which is not yet finished.

SPIRIDION C. ZAVITZIANO,
United States Sanitary Commissioner.

Circular telegram to health officers.

[Inclosure.]

AUGUST 31, 1898.

By decision of the superior council of health, birds' feathers and down arriving from Europe shall be given free pratique at Ottoman ports without the formality of a certificate of origin.

DR. COZZONIS,
Inspector-General.

VENEZUELA.

Decline of smallpox.

DEPARTMENT OF STATE,
Washington, D. C., September 22, 1898.

SIR: I have the honor to inclose for your information an extract from a dispatch from our minister to Venezuela relative to the epidemic of smallpox in that Republic.

Respectfully, yours,

ALVEY A. ADEE,
Acting Secretary.

Hon. SECRETARY OF THE TREASURY.

[Inclosure—No. 190.]

LEGATION OF THE UNITED STATES,
Caracas, September 8, 1898.

SIR: I have the honor to report that after several months of civil strife and a widespread epidemic of smallpox, which almost paralyzed commerce by causing European steamers to shun Venezuelan ports in order to avoid rigorous and protracted quarantine at the various West Indian ports, business is improving, and confidence has been restored.

The smallpox is decreasing rapidly and within a month it will, in all probability, have entirely disappeared from the country.

I have the honor to be, sir,
Hon. SECRETARY OF STATE.

FRANCIS B. LOOMIS.

STATISTICAL REPORTS.

GREAT BRITAIN—*England and Wales.*—The deaths registered in 33 great towns in England and Wales during the week ended September 17 correspond to an annual rate of 24.6 a thousand of the aggregate population, which is estimated at 11,218,378. The highest rate was recorded in Gateshead, viz, 37.2, and the lowest in West Ham, viz, 15.1.

London.—One thousand eight hundred and thirty-two deaths were registered during the week, including measles, 8; scarlet fever, 3; diphtheria, 29; whooping cough, 35; enteric fever, 7, and diarrhea and dysentery, 397. The deaths from all causes correspond to an annual rate of 22.0 a thousand. In greater London 2,485 deaths were registered, corresponding to an annual rate of 20.2 a thousand of the population. In the "outer ring" the deaths included 11 from diphtheria, and 7 from whooping cough.

Ireland.—The average annual death rate represented by the deaths registered during the week ended September 17 in the 23 principal town districts of Ireland was 26.8 a thousand of the population. The lowest rate was recorded in Queenstown, viz, 11.7, and the highest in Ballymena, viz, 56.4 a thousand. In Dublin and suburbs 182 deaths were registered, including diphtheria, 1; enteric fever, 3; measles, 1, and whooping cough, 4.

Scotland.—The deaths registered in 8 principal towns during the week ended September 17 correspond to an annual rate of 18.8 a thousand of the population, which is estimated at 1,568,536. The lowest mortality was recorded in Edinburgh, viz, 16.4, and the highest in Perth, viz, 20.4

a thousand. The aggregate number of deaths registered from all causes was 567, including diphtheria, 5; measles, 9; scarlet fever, 3, and whooping cough, 21.

JAMAICA—*Kingston*—Two weeks ended September 17, 1898. Estimated population, 34,314. Total number of deaths not reported. No deaths from contagious diseases.

NORFOLK ISLAND.—Month of July, 1898. Estimated population, 876. No deaths and no contagious diseases.

MORTALITY TABLE, FOREIGN CITIES.

| Cities. | Week ended. | Estimated popula- tion. | Total deaths from all causes. | Deaths from— | | | | | | | | |
|----------------------------|---------------|----------------------------|----------------------------------|--------------|---------------|-----------|---------------|----------------|----------------|-------------|----------|--------------------|
| | | | | Cholera. | Yellow fever. | Smallpox. | Typhus fever. | Enteric fever. | Scarlet fever. | Diphtheria. | Measles. | Whooping cough. |
| Amsterdam..... | Sept. 7..... | 508,846 | 178 | | | | | 2 | | 1 | 3 | 1 |
| Antwerp..... | Sept. 10..... | 282,872 | 112 | | | 1 | | 1 | 8 | | 1 | |
| Barranquilla..... | Sept. 3..... | 40,000 | 13 | | | | | | | | | |
| Belfast..... | Sept. 10..... | 304,610 | 163 | | | | | 35 | | 1 | | |
| Belize..... | Sept. 1..... | 13,000 | 4 | | | | | | | | | |
| Do..... | Sept. 8..... | 13,000 | 6 | | | | | | | | | |
| Do..... | Sept. 15..... | 13,000 | 6 | | | | | | | | | |
| Do..... | Sept. 22..... | 13,000 | 8 | | | | | | | | | |
| Belleville..... | Sept. 25..... | 10,300 | 3 | | | | | | | | | |
| Berlin..... | Sept. 3..... | 1,728,201 | 776 | | | | | 3 | | 114 | 1 | |
| Bombay..... | Aug. 30..... | 821,764 | a 811 | 1 | 2 | | | | | | 3 | |
| Bradford..... | Sept. 10..... | 231,260 | 98 | | | | | | | 1 | 2 | |
| Bremen..... | Sept. 3..... | 143,500 | 65 | | | | | | | | 1 | |
| Brussels..... | Sept. 10..... | 555,011 | 193 | | | | | 2 | | 1 | 2 | 1 |
| Budapest..... | do..... | 640,000 | | | | | | | 5 | | 1 | 1 |
| Calcutta..... | Aug. 20..... | 681,560 | b 320 | 1 | | | | | | | | 9 |
| Catania..... | Sept. 15..... | 120,000 | 78 | | | | 1 | 7 | | 1 | | 1 |
| Chemnitz..... | Sept. 10..... | 172,840 | 114 | | | | | | | 1 | | |
| Cologne..... | do..... | 347,948 | 218 | | | | | 1 | | 3 | 2 | 4 |
| Colombo..... | Aug. 20..... | 130,000 | 84 | | | | | 3 | | | | |
| Do..... | Aug. 27..... | 130,000 | 76 | | | | | | | | 1 | |
| Colon..... | Sept. 24..... | 8,000 | 2 | | | | | | | | | |
| Copenhagen..... | Sept. 10..... | 351,000 | 125 | | | | | 2 | | 1 | | 5 |
| Dublin..... | do..... | 349,594 | 206 | | | | | 5 | 2 | 2 | 1 | 2 |
| Edinburgh..... | do..... | 295,628 | 131 | | | | | | | | 1 | 6 |
| Flushing..... | Sept. 17..... | 17,397 | 6 | | | | | | | | | |
| Frankfort on the Main..... | do..... | 245,000 | 79 | | | | | | | | | |
| Funchal..... | Sept. 18..... | 36,982 | 22 | | | | | | | | | |
| Ghent..... | Sept. 17..... | 161,125 | 87 | | | 1 | | | | | | |
| Gibraltar..... | Sept. 11..... | 25,900 | 10 | | | | | | | | | |
| Girgenti..... | Sept. 10..... | 24,428 | 6 | | | | | | | | | |
| Glasgow..... | do..... | 724,349 | 320 | | | | | 4 | 4 | 2 | 4 | 10 |
| Gothenburg..... | do..... | 120,552 | 30 | | | | | | | | | |
| Guayaquil..... | do..... | 50,000 | 50 | | | | | | | | | |
| Halifax..... | Sept. 24..... | 38,700 | 16 | | | | | | | | | |
| Honolulu..... | Sept. 3..... | 30,000 | 16 | | | | | 1 | | | | |
| Kingston..... | Sept. 30..... | 18,000 | 7 | | | | | | | | | |
| Königsburg..... | Sept. 17..... | 179,686 | | | | | | | | 1 | | |
| Leeds..... | do..... | 416,618 | 192 | | | | | 1 | 1 | 8 | 1 | |
| Leghorn..... | Sept. 18..... | 104,392 | 24 | | | | | 2 | | | | |
| Leipsic..... | Sept. 10..... | 422,071 | 240 | | | | | | | | 1 | |
| Leith..... | do..... | 69,956 | 43 | | | | | | | | 1 | |
| Licata..... | do..... | 20,000 | 12 | | | | | 1 | 1 | | | |
| Liverpool..... | Sept. 10..... | 668,645 | 365 | | | | | 1 | 5 | 2 | 1 | 5 |
| Livingston..... | Sept. 17..... | 1,500 | 1 | | | | | | | | | |
| London..... | Sept. 10..... | 6,408,321 | 2,762 | | | | | 22 | 8 | 14 | 18 | 16 |
| Mannheim..... | Sept. 3..... | 109,342 | 73 | | | | | | | 1 | | |
| Do..... | Sept. 10..... | 109,342 | 54 | | | | | | | | | |
| Matamoras..... | Sept. 23..... | 86,304 | 6 | | | | | | | | | |
| Mayence..... | Sept. 17..... | 76,984 | 33 | | | | | 1 | | | | |
| Messina..... | do..... | 107,000 | 37 | | | | | 2 | | | | |
| Montevideo..... | Aug. 13..... | 215,061 | 46 | | | | | | | | | |
| Do..... | Aug. 20..... | 215,061 | 64 | | | | | | | | | |
| Moscow..... | Sept. 3..... | 1,000,000 | 565 | | | | | 1 | 12 | 9 | 11 | 1 |
| Munich..... | Sept. 10..... | 430,040 | 263 | | | | | | 2 | 1 | 1 | 3 |
| Newcastle on Tyne..... | do..... | 186,345 | 141 | | | | | | | | | |
| Nuremberg..... | Aug. 20..... | 190,750 | 114 | | | | | | | 2 | | 4 |
| Do..... | Sept. 3..... | 190,750 | 157 | | | | | | | 1 | 2 | |
| Odessa..... | Sept. 10..... | 383,000 | 204 | | | | | | 4 | 3 | 2 | 2 |
| Palermo..... | do..... | 300,000 | 94 | | | | | | | | | |
| Plymouth..... | Sept. 17..... | 99,136 | 42 | | | | | | | | 2 | |
| Prague..... | Sept. 10..... | 198,320 | 105 | | | | | | | | | |
| Puerto Cortez..... | Sept. 25..... | 2,000 | 1 | | | | | | 5 | 5 | 1 | |
| Rio de Janeiro..... | Aug. 12..... | 750,000 | c 247 | 8 | 1 | | | | | | 1 | |
| Do..... | Aug. 19..... | 750,000 | d 234 | 11 | | | | | | | | |
| Rome..... | Aug. 6..... | 499,861 | 149 | | | | | 5 | | 1 | | |
| Do..... | Aug. 13..... | 499,861 | 157 | | | | | 8 | | 1 | | |
| Rotterdam..... | Aug. 17..... | 304,838 | 118 | | | | | 1 | | | | |
| St. Georges, Bermuda..... | do..... | 2,150 | 0 | | | | | | | | | |
| Do..... | Aug. 24..... | 2,150 | 1 | | | | | | | | | |
| St. Johns..... | Aug. 17..... | 15,000 | 18 | | | | | | | | | |

a Plague, 157 deaths.
c Two deaths from beriberi.

b Plague, 2 deaths.
d Two deaths from beriberi.

MORTALITY TABLE, FOREIGN CITIES—Continued.

| Cities. | Week ended. | Estimated population. | Total deaths from all causes. | Deaths from— | | | | | | | |
|----------------------------|-------------|-----------------------|-------------------------------|--------------|---------------|-----------|---------------|----------------|----------------|-------------|----------|
| | | | | Cholera. | Yellow fever. | Smallpox. | Typhus fever. | Enteric fever. | Scarlet fever. | Diphtheria. | Measles. |
| St. Stephen, New Brunswick | Aug. 2 | 3,000 | 1 | | | | | | | | |
| St. Petersburg | Aug. 8 | 1,267,023 | 565 | | | 6 | | 29 | 8 | 24 | 6 |
| St. Thomas, West Indies | Aug. 29 | 12,019 | 13 | | | | | | | | |
| Do. | July 29 | 12,019 | 9 | | | | | | | | |
| Do. | Aug. 26 | 12,019 | 6 | | | | | | | | |
| Do. | Sept. 2 | 12,019 | 6 | | | | | | | | |
| Do. | Sept. 9 | 12,019 | 2 | | | | | | | | |
| Schiedam | Sept. 17 | 26,884 | 10 | | | | | | | | |
| Southampton | do. | 100,886 | 52 | | | | | | | 1 | 4 |
| South Shields | do. | 98,922 | 51 | | | | | 1 | | | 3 |
| Stettin | Sept. 10 | 150,000 | | | | | | 2 | | | |
| Stockholm | do. | 283,550 | | | | | | | | 2 | 1 |
| Stuttgart | Sept. 15 | 162,934 | 68 | | | | | | | 1 | |
| Sunderland | Sept. 10 | 131,686 | 98 | | | | | 2 | | | |
| Tampico | Sept. 25 | 1,400 | 31 | | 12 | | | | | | 3 |
| Tegucigalpa | Sept. 3 | 12,000 | 8 | | | | | | | | |
| Trapani | Sept. 10 | 45,095 | 18 | | | | | | | | |
| Trieste | do. | 165,000 | 84 | | | | | 2 | | | |
| Tuxpan | July 30 | 10,280 | 8 | | | | | | | | |
| Do. | Aug. 6 | 10,280 | 6 | | | | | | | | |
| Do. | Aug. 13 | 10,280 | 8 | | | | | | | | |
| Do. | Aug. 22 | 10,280 | 7 | | | | | | | | |
| Do. | Aug. 27 | 10,280 | 11 | | | | | | | | |
| Vera Cruz | Sept. 22 | 30,000 | 57 | | 4 | | | | | | |
| Venice | Sept. 10 | 169,545 | 76 | | | | | 1 | | 1 | 1 |
| Vienna | Aug. 27 | 1,590,295 | 586 | | | | | 2 | 7 | 3 | 12 |
| Do. | Sept. 3 | 1,590,295 | 591 | | | | | 1 | 1 | 4 | 2 |
| Winnipeg | Sept. 24 | 45,000 | | | | | | 4 | | | |
| Warsaw | Sept. 10 | 601,408 | 388 | | 10 | 2 | | 42 | 12 | 7 | 2 |
| Zurich | do. | 162,212 | 67 | | | | | | | | 1 |

By authority of the Secretary of the Treasury:

WALTER WYMAN,
Supervising Surgeon-General U. S. Marine-Hospital Service.